

AUPL
*NA
7328
G373
1913



GARDEN CITY

HOUSES

AND

Domestic Interior Details



TECHNICAL JOURNALS, LTD.,
CAXTON HOUSE, WESTMINSTER, S.W.

UNIV. OF CALIF. LIBRARY, LOS ANGELES

Hunt & Burns. —
Feby 18-1914.



GARDEN CITY HOUSES

AND

DOMESTIC INTERIOR DETAILS

Section I. INTRODUCTION, WITH TYPICAL
SPECIFICATION

Section II. EXTERIORS AND PLANS

Section III. INTERIOR DETAILS

TECHNICAL JOURNALS, LTD.,
CAXTON HOUSE, WESTMINSTER

1913

CONTENTS

INTRODUCTION	PAGE	SECTION I.	PAGE	SECTION II.	PAGE	SECTION III.	PAGE
	3						
Specification of a Garden City House, with Working Drawings. By T. Millwood Wilson, Licentiate, R.I.B.A. 4—10	10	House in Heath Drive, Gidea Park. E. Turner Powell, F.R.I.B.A., Architect	11	Vestibule at "Silverlands," Chertsey. Ronald P. Jones, Licentiate, R.I.B.A., Architect	75		
GARDEN CITY HOUSES:—EXTERIORS AND PLANS.		Pair of Houses in Heath Close, Hampstead Garden Suburb. Barry Parker and Raymond Unwin, F.R.I.B.A., Architects	42	Dresser in House at Chislehurst. E. J. May, F.R.I.B.A., Architect	76		
House in Parkway, Gidea Park. Reginald T. Longden, Licentiate, R.I.B.A., Architect	12	House in Meadoway, Hampstead Garden Suburb. W. Curtis Green, F.R.I.B.A., Architect	43	Vestibule at "Belmont," Chesterfield. C. H. Reilly, F.R.I.B.A., Architect	77		
Houses in Hampstead Way, Hampstead Garden Suburb. Geoffrey Lucas, F.R.I.B.A., Architect	13	House in Heathgate, Hampstead Garden Suburb. H. Townshend Morgan, Architect	44	Entrance Hall at "Belmont," Chesterfield	78		
House in Meadoway, Gidea Park. Van't Hoff and Maxwell, Architects	14	House in Hampstead Garden Suburb. Evelyn Simmons, Architect	45	Billiard Room at Huntercombe Place, Oxon. Oswald P. Milne, F.R.I.B.A., Architect	79		
House in Parkway, Gidea Park. Geoffrey Lucas, F.R.I.B.A., Architect	15	House in Wild Hatch, Hampstead Garden Suburb. T. M. Wilson, Licentiate, R.I.B.A., Architect	46	Drawing Room in Smith Square, Westminster. Horace Field, F.R.I.B.A., and Evelyn Simmons, Architects	80		
House in Hill Close, Hampstead Garden Suburb. F. J. Watson Hart, Architect	16	House in Hampstead Way, Hampstead Garden Suburb. T. M. Wilson, Licentiate, R.I.B.A., Architect	47	Drawing Room in Dean Stanley Street, Westminster. Horace Field, F.R.I.B.A., and Evelyn Simmons, Architects	81		
House in Reed Pond Walk, Gidea Park. Reginald T. Longden, Licentiate, R.I.B.A., Architect	17	House in Reed Pond Walk, Gidea Park. A. Randall Wells, Architect	48	Dresser in House at Chislehurst. E. J. May, F.R.I.B.A., Architect	82		
House in Meadoway, Gidea Park. C. M. Crickmer, Licentiate, R.I.B.A., Architect	18	House in Risebridge Road, Gidea Park. H. S. East, A.R.I.B.A., Architect	48	Saloon at Findon Palace, Sussex. F. S. Chesterton, Architect	83		
House in Heath Drive, Gidea Park. Michael Bunney, F.R.I.B.A., and Clifford Makins, Architects	19	Houses at Gidea Park. Jones, Phillips & Whitby, Architects	49	Panelled Room at "Erlwood," Windlesham, Surrey. Percy E. Newton, Architect	84		
House in Reed Pond Walk, Gidea Park. C. M. Crickmer, Licentiate, R.I.B.A., Architect	20	House at Denham, Bucks. Francis Bacon, Architect	50	Staircase in Cowley Street, Westminster. Horace Field, F.R.I.B.A., and Evelyn Simmons, Architects	85		
House in Meadoway, Gidea Park. Percy B. Houlton, Architect	21	Houses at Balneath Manor, near Lewes. H. and D. Pollock, Architects	51	Window at Tuesley Court, Surrey. E. Guy Dawber, F.R.I.B.A., Architect	86		
Houses in Linnell Close, Hampstead Garden Suburb. Michael Bunney, F.R.I.B.A., and Clifford Makins, Architects	22	House at Boreham Wood, Herts. Edwin Gunn, A.R.I.B.A., Architect	52	Chimneypiece in House at Esher. T. M. Wilson, Licentiate, R.I.B.A., Architect	87		
House in Heath Drive, Gidea Park. W. Curtis Green, F.R.I.B.A., Architect	23	Houses at Mouldsworth, near Chester. Patrick Abercrombie, Architect	53	Staircase in "The Knoll," Leicester. W. H. Bidlake, A.R.I.B.A., Architect	88		
House in Reed Pond Walk, Gidea Park. H. A. Welch, A.R.I.B.A., Architect	24	Houses in Erskine Hill, Hampstead Garden Suburb. E. L. Lutyens, A.R.A., F.R.I.B.A., Architect	54	Detail of Conservatory at Balham Constitutional Club. William and Edward Hunt, Architects	89		
House in Parkway, Gidea Park. Michael Bunney, F.R.I.B.A., and Clifford Makins, Architects	25	House at Hale, Cheshire. Frank B. Dunckerley, F.R.I.B.A., Architect	55	Servery Fittings at Brand Lodge, Malvern Link. Ernest Newton, A.R.A., F.R.I.B.A., Architect	90		
House in Elm Walk, Gidea Park. T. M. Wilson, Licentiate, R.I.B.A., Architect	26	Gardener's Lodge, Oxford. Clough Williams-Ellis, Architect	56	Pantry Fittings at Brand Lodge. Ernest Newton, A.R.A., F.R.I.B.A., Architect	91		
House in Reed Pond Walk, Gidea Park. E. J. May, F.R.I.B.A., Architect	27	House near Oxford. Clough Williams-Ellis, Architect	57	Staircase in House at Esher Lodge Estate. Geoffrey Lucas, F.R.I.B.A., and Arthur Lodge, A.R.I.B.A., Architects	92		
House in Willifield Way, Hampstead Garden Suburb. T. M. Wilson, Licentiate, R.I.B.A., Architect	28	House at Camberley, Surrey. H. R. and B. A. Poulter, Architects	58	Hall in House at Chislehurst. E. J. May, F.R.I.B.A., Architect	93		
House in Heath Drive, Gidea Park. E. Willmott, F.R.I.B.A., Architect	29	Houses at Berkswell, Warwickshire. C. M. C. Armstrong, Architect	59	Staircase at "Gerston," Storrington, Sussex. E. Turner Powell, F.R.I.B.A., Architect	94		
House in Hampstead Way, Hampstead Garden Suburb. E. Guy Dawber, F.R.I.B.A., Architect	30	House at Abersoch, Carnarvonshire. William Wands, Architect	60	Hall at "Heathcote," Ilkley. Edwin L. Lutyens, A.R.A., F.R.I.B.A., Architect	95		
Group of Cottages, Hampstead Garden Suburb. Barry Parker and Raymond Unwin, F.R.I.B.A., Architects	31	House at Mill Hill, Middlesex. Stanley Hamp, A.R.I.B.A., Architect	61	Staircase at Codicote Lodge, Welwyn. F. S. Chesterton, Architect	96		
Houses in Meadoway, Hampstead Garden Suburb. T. M. Wilson, Licentiate, R.I.B.A., Architect	32	House at Hook Heath, Woking. Horace Field, F.R.I.B.A., Architect	62	Chimneypiece and Niche in House at Hampstead Garden Suburb. T. M. Wilson, Licentiate, R.I.B.A., Architect	97		
House in Bigwood Road, Hampstead Garden Suburb. Geoffrey Lucas, F.R.I.B.A., Architect	33	INTERIOR DETAILS.		Bedroom Chimneypiece, Wokingham, Berks. Ernest Newton, A.R.A., F.R.I.B.A., Architect	98		
House in Meadoway, Gidea Park. E. Willmott, F.R.I.B.A., Architect	34	Staircase at Brand Lodge	63	Hall Fireplace in House at Wimbledon. William and Edward Hunt, Architects	99		
House in Parkway, Gidea Park. Fair & Myer, A.R.I.B.A., Architects	35	Hall at Conkwell Grange, Wilts. E. Guy Dawber, F.R.I.B.A., Architect	64	Courtyard at Burton Hall, Cheshire. Nicholson and Corlette, F.F.R.I.B.A., Architects	100		
House in Reed Pond Walk, Gidea Park. Buckley & Farmer, Architects	36	Butler's Pantry at "Gerston," Storrington, Sussex. E. Turner Powell, F.R.I.B.A., Architect	65	Housemaid's Closet Fittings. E. Turner Powell, F.R.I.B.A., Architect	101		
Houses in Heath Gate, Hampstead Garden Suburb. Herbert A. Welch, A.R.I.B.A., Architect	37	Garden Door at Angley Park, Cranbrook, Kent. Mervyn E. Macartney, F.R.I.B.A., Architect	66	Drawing Room Chimneypiece at "The Ship," Golder's Green. J. M. W. Halley, Architect	102		
House in Meadoway, Gidea Park. H. A. Welch, A.R.I.B.A., Architect	38	Corridor in House at West Vale, Halifax. Woodhouse, Corbett and Dean, Architects	67	Store Room Fittings, "Webbington." E. J. May, F.R.I.B.A., Architect	103		
House in Parkway, Gidea Park. Forbes and Tate, Architects	39	Staircase in "The Ship," Golder's Green. J. M. W. Halley, Architect	68	Hall Panelling, &c., in Burlesden House, Dawlish. Richardson and Gill, A.R.I.B.A., Architects	104		
House in Reed Pond Walk, Gidea Park. H. Townshend Morgan, Architect	40	Drawing Room at "Woodlands," Caterham, Surrey. Evelyn Hellicar, A.R.I.B.A., Architect	69				
		Hall Chimneypiece, &c., at "Mariners," Westerham, Kent. Mervyn E. Macartney, F.R.I.B.A., Architect	70				
			71				
			72				
			73				
			74				

INTRODUCTION

Of the many recent publications devoted to the design, planning, and embellishment of small houses, none have been more generally appreciated than the last two special Christmas issues of the "Architects' and Builders' Journal"—the one (1911) giving exterior views and plans of houses at Hampstead Garden Suburb and Gidea Park, the other (1912) dealing with domestic interior details. The demand for these issues was so great that the stock quickly became exhausted, and consequently many applicants for copies were disappointed.

To meet the continued demands, the Publishers have produced the present volume, in which will be found the illustrations contained in the two special issues referred to, together with a number of extra illustrations of houses of similar type erected in various parts of the country; the whole being prefaced by a typical specification of a garden suburb house, with working drawings.

The volume comprises carefully selected examples of the work of some of the most skilful domestic architects, and should prove of great practical value to all who are interested in small houses or in garden city enterprise.

As the majority of the examples shown are taken from Hampstead and Gidea Park, a few remarks on these two garden suburbs will be appropriate, and may be considered as relating to the bulk of the work that is being done in many other similar developments throughout the country.

At Hampstead the majority of the houses are detached or semi-detached, though in addition there are to be seen many attractive rows of cottages. The lay-out of the suburb also includes a number of "closes" with houses grouped around. In some cases the aversion to any degree of symmetry has led to planning of a rather rambling description; but, taken as a whole, it is unquestionably a very great advance on the ordinary town suburb.

The houses here have not been built in competition, nor within any excessively restrictive limits of cost, but to suit the various incomes of the architects' clients or of the tenants whom the promoters had in view. On the other hand, at Gidea Park, which is a creation of the last two or three years, the cost of the majority of the houses has been strictly limited. The house by Mr. Welch in Meadoway, for example (page 38), cost £400. At Gidea Park, too, a competition was held, prizes having been offered for the best detached house to cost £500 and for the best detached cottage to cost £375. In the former class the house by Mr. Geoffrey Lucas (page 15) secured the Gold Medal and £250, that by Mr. Longden (page 17) being placed second, and that by Mr. Curtis Green (page 23) highly commended; while, in the second class, Mr. Crickmer's house (page 18) secured the Gold Medal and £200, and Mr. Welch's (page 24) the second prize of £100.

A visit to either the Hampstead Garden Suburb or to Gidea Park will show at once that the houses erected are a great advance on those which are commonly provided in suburban areas. They are soundly built with good materials, are provided with tasteful chimneypieces and other furnishings, and possess a good deal of architectural interest. In the majority of cases the chief defect is the size of the rooms. These are usually far too small, and serve to indicate that there is a reasonable minimum of cost below which it is undesirable to fall, if a thoroughly satisfactory house is to be provided. The names of some well-known architects are associated with this deficiency. On going over a number of houses, so admirable from without, one cannot but be astonished to find dining-rooms which are uncomfortably filled by even a moderate-sized table, and bedrooms in which mere passages of space are left after the furniture has been put in place.

There is no necessity to give detailed particulars of the houses illustrated in this volume, for the reason that, as regards construction, they are all built of brick (left plain, rough-cast, or whitened) and the roofs covered with red tiles; while the accommodation provided can best be studied from the plans.

In publishing the series of interior domestic details which constitutes the third section of the present volume the main idea has been to include examples of work which might be of service to architects concerned with the design of houses of moderate cost. Such details as chimneypieces, panelling, staircases, windows, &c., will be found adequately represented, and there are also included details like pantry fittings, dressers, &c., not to be found in any other publication: all the plates being essentially practical.

SECTION I.

SPECIFICATION OF A GARDEN CITY HOUSE

By T. MILLWOOD WILSON, Architect.

1. The art of writing a Specification for a small house, perhaps like all good work, chiefly consists in knowing what to omit without spoiling or taking away from its value.

2. It is rendered more easy, with consequent reduction of cost, by building several houses at a time, and thus being able to standardise materials and fitments, &c. It must be remembered that a house however small, requires the same amount of care taken in its structure and quality of materials, as a larger house. In fact, the smaller house presents the harder problem, as the architect has the question of cost constantly before him. The solution, therefore, comes back to the knowledge of where omissions can be made without damaging the result.

3. It will be generally found that local by-laws provide for the structure to be sound enough, and that the sanitation is more or less looked after; but in regard to the latter a careful setting out of the sanitary conveniences with the runs of hot and cold pipes and the position of wastes, &c., will form an important factor in keeping down the expenditure. This, however, refers more specially to the question of planning than to Specification.

4. A certain type of speculating builder, in perpetrating the atrocities we know so well, is able, by skimping the structure and the quality of materials, to put in finishings such as tiled bath rooms and sculleries, imitation panelling, &c., making it next to impossible for the architect, with a proper specification to carry out, to compete in the matter of cost. My own experience has led me to consult the builder on small matters; and where perhaps one builder is doing a number of houses under several architects, it is often possible for the respective architects to meet together and arrange a standard for certain items such as baths, w.c.'s lavatory basins, kitchen dressers, and other fitments, and perhaps doors and architraves, though of course one does not like losing too much individuality.

It is very necessary that simplicity should be the one factor ruling in every case, if a sound and moderately priced house is to be the result.

We will now go through the specification for a house, the drawings of which are reproduced on pp. 8-10.

SPECIFICATION.

Conditions.—The Articles of Agreement and general conditions of contract will be those issued by the R.I.B.A.

These are found generally acceptable to all parties.

Extra Works.—The clause as to this is the usual one; that no extra works will be allowed unless upon the written authority of the architect. Some members of the profession adopt their own printed extra-order forms.

Provisional Sum.—The best course, I think, is to state all provisional sums as net, the Builder to add his profit, carriage, and fixing, &c. Merchants and manufacturers, I have found, will always give you their net prices—the question of discount varying so much, and, in some cases, to such a ridiculous extent, no question can be raised afterwards as the Builder will have put on your provisional sums his own profit.

No such amounts will be included in any certificate until they are paid and receipt for same produced, and he is to produce all receipts when called upon.

The scaffolding is to be altered and every facility given to those so doing the work.

All provisional sums to be used as directed or deducted in whole or part if not required or not ordered to be used.

The architect is to be consulted in all cases of provisional amounts or prices as to how he wishes these sums to be expended, and if any are omitted they will be omitted in full.

Repairs to Roads.—The contractor will be held responsible for all damage done to public highways or roads arising from the conveyance of his plant or materials to or from the work.

Details.—All work throughout to be executed to detail drawings and the builder is to put in hand no work until he has obtained a detail drawing.

Notices.—Give all notices and pay all fees legally demanded.

Water.—Water is laid on to the site, but the contractor is to make all his connections and provide tanks, etc., for his use. (Alter as necessary.)

Insurance.—Insure the building for its full value from the earliest time the Company will take it.

Contingencies.—Provide the sum of £ for contingencies to be used or deducted in whole or part as required.

Employer's Liability.—Hold the employer free from liability for accidents or injuries to the contractor's workmen, or for any accident or injury that may be caused by the negligence of the contractor's workmen.

EXCAVATOR.

Carefully take off the turf and put on one side, also the top spit to be taken off the whole area of the building and deposited in a separate heap where directed.

Excavate for all the walls as shown to the several depths and sizes, but no earth is to be filled in and no concrete laid until the trenches have been inspected by the architect.

Carefully lay in the trenches concrete foundations, composed of one part of Portland cement to seven of broken brick and gravel ballast and coarse sand to fill up the interstices mixed in a proper gauge-measure put in, levelled, and rammed at once.

Under all floors lay 6 in. of cement concrete on the earth, well rammed.

Note.—The contractor is to allow for making up the ground immediately round the house to level line shown on elevations and the average height of ground floor will be 14 in. up. The contractor must allow for in his estimate any extra depths required where the ground will be excavated or made up.

Concrete Lintels.—Over all external openings in the proportion of one of Portland cement to three of gravel and sand and where over 3 ft. bearing to have small angle or T irons bedded in same.

BRICKLAYER.

Note.—The walls on the first floor were built with a cavity and faced with stock bricks distempered, with the chimney stacks of red facings. I have found that a hollow wall is preferable to a solid 9 in. wall finished with two coats of cement, rough cast, and is much drier. The specification will then be as follows:—

The brick for the dressings and chimney stacks will be approved red bricks average four courses to 1 ft. Great

care is to be taken not to discolour them during the progress of the works.

Walling bricks.—The internal walls to be built of Fletton bricks of an approved make and quality. Every third course to be of special Flettons with a keyed surface. The external facings will be of hard stock bricks pointed with a weather joint as the work proceeds.

Bond.—To be English, and no bats to be used in a greater proportion than one to two whole headers.

Pointing.—The mortar joints will be neatly pointed with a struck joint as the work proceeds. All walls except hollow, to be built in mortar except where otherwise specified, well bedding and flushing up every third course, and on no account is any grout to be used.

Mortar.—To be composed of one part of freshly burnt lime to three of sand which is to be clean and sharp.

Cement mortar to be of one of Portland cement from an approved make to three of sand.

Damp Course.—To all walls, including sleeper and fender walls, above ground line of two courses of thick blue slates laid and bedded to break-joint in cement the full width of walls over.

Sleeper Walls.—As shown to be built off the surface concrete.

Hollow Walls.—Walls where shown to be built with a cavity 2 in. wide which is to be kept as free of mortar as possible. The two $4\frac{1}{2}$ in. thicknesses will be tied together with approved galvanised iron ties every fourth course and 3 ft. apart to break-joint. Over the head of all window and door openings, and where 11 in. walls come over 14 in., put 5 lb. lead taken through cavity and turned up into brick joint in inner thickness, 6 in. longer than openings and cut off flush with brickwork on outer face. The cavity will finish right up to window frame and will be stopped off by a double course of slates built vertically.

Air Gratings.—Provide and build in where shown 9 in. by 6 in. terra cotta air gratings under wood floors and one just above floor in larder and in bath room and w.c.s.

Build all half-brick walls in cement and chimney stack for the last 3 ft. in height.

Put trimmer arches 18 in. wide in cement concrete to all fireplaces where there are rooms below and fill in and fir down for lathing to.

Flues.—Very carefully form all flues to the sizes shown, parge with cow dung mortar as the work proceeds, and core at completion.

Render the backs of all fireplace openings before fixing grates.

Chimney Caps.—To be formed of oversailing course of brickwork with dentil course of projecting headers.

Chimney Pots.—To be flue-pipes projecting some 6 in. above stack and flaunched up in cement.

Beam Filling.—In all cases to be carried up to the underside of boarding or tiles.

Cut all holes and chases for pipes.

Ascertain the exact size of kitchen range before building opening, and put cement concrete lintel over.

Deal Lintels Internally.—Over all inside door openings put deal lintels the full width of the walls 1 in. thick for every foot of bearing and 9 in. of wall at each end (except when walls are flat pointed where there will be arches over door-heads), and turn rough relieving arch over.

Window Sills.—Inside sills to kitchen, larder, scullery, and servants' w.c., and motor-house to be of 6 in. by 6 in. red Staffs. tiles, and to skirting where tile paving.

Thresholds.—To front and back doors and all outside steps to be formed of 9 in. by $4\frac{1}{2}$ in. by $1\frac{1}{2}$ in. paving bricks on edge in cement to be kept up $1\frac{1}{2}$ in. above floor, similar

step to loggia. To motor-house, hard red bull-nosed threshold bricks.

Hearths.—Kitchen and all bedrooms to be 6 in. by 6 in. red tiles, dining-room and parlour allow $\frac{3}{4}$ yd. at 9s. 6d. per yard.

Purings.—To porch, scullery and larder put 6 in. by 6 in. paving tiles set and bedded in cement, and on no account are these to be grouted. In servants' w.c., coals, and back entrance the surface concrete will be put in at the required level and finished with a floating of cement and granite chippings 1 in. thick done at one and the same time. Ditto to outside paving.

Paving to motor house to be $1\frac{1}{2}$ in. cement and granite chippings on 6 in. cement concrete.

All door and window frames will be built in as the work proceeds with wrought-iron ties 9 in. long screwed to frames, one pair to each.

Flat point the scullery, larder, coals, and servants' w.c., and motor house.

TILER.

Note.—Most builders sub-let their tiling; and it is often possible to adopt another tile to that specified, of equal quality, owing to the tiling contractor having some special arrangement with a particular tile-maker, and thus effect a small saving.

A cheap method of finishing the roof is to cover it with feather edge boarding, and hang the tiles direct on to this, and where expense has to be saved to a large extent, ordinary black felt can be put on to the top of the rafters and the tile-battens nailed over it. This is not to be recommended, as there is a limit to the life of the felt.

Cover the whole of the roofs with best plain roofing tiles of approved make, laid with two 2 in. east malleable nails to each tile every third course. Each tile to have a 3 in. lap on $1\frac{1}{2}$ in. by $\frac{3}{4}$ in. sawn deal battens cut close to hips, chimney stacks and valleys.

All eaves to be double throughout, and verges to be a tile and a half to project some 3 in. in front of roughcast or brickwork and laid on a flat tile.

Ridges plain red half round from the same yard, bedded in cement with wide joints, valley and hips to range with the others, and from same yard.

Cover the roofs with best black felt nailed on top of rafters.

Leave all roofs sound and watertight at completion.

PLASTERER.

Note.—There is a question of the finish to the plaster, which, though infinitely preferable, it is wise to consult your client about first. I refer to the finish given by using a wooden float with some sand in the setting coat instead of the hard, smooth face; distemper looks better on the former, but if wall papers are ultimately to be used it is not satisfactory. I find, however, that the majority of people prefer distemper nowadays.

All laths to be lath and a half of best quality, free from sap and laid butt joint.

Large timbers and fir lintels to be strap battened and counter lathed before plastering.

Lime to be best chalk lime and to be run through a sieve at least a month before using and mixed in the following proportions for the first two coats: 14 lb. of hair to 1 cubic yard of lime and 3 of sharp sand.

The setting coat to have a little sand mixed with the lime. Lath, plaster, float, and set all ceilings and soffits of rafters, also partitions.

Render float and set the walls of all rooms where not otherwise specified, including room in attic in two-coat work.

Cornices 6 in. girth to dining-room and parlour.

Provide a floated bed for all tile cheeks and hearths, &c., and set all tiles in Parian cement.

Angles.—Run all angles in Keene's on Portland cement back, and outside cove under hips in Portland cement.

All soffits and reveals will be in plaster.

Twice distemper all walls and ceilings throughout.

Twice distemper the whole of the stock brickwork externally with distemper made as follows: 1 bushel of lime to 6 lb. of yellow ochre mixed with 1 lb. of Russian tallow and a little copperas.

Twice pitch and far the plinth to line shown on drawings.

CARPENTER AND JOINER.

Timber of the best quality free from sap, shakes, large loose or dead knots, and other defects.

Oak to be sound English.

Provide all necessary centres and other requisites, beads, stops, linings, fillets, backings, grounds and bearers and everything necessary for the complete carrying out of the work.

As soon as the contract is signed all the timber and flooring boards are to be delivered and stacked on the site and exposed to the weather.

Roofs.—No rafters, joists, or quarterings to be more than 12 in. apart.

Roofs are to be framed and put together in the strongest manner possible, dovetailing and spiking the collars to the rafters and bird's-mouthing the rafters to the plates, and frame and truss the purlins on first floor wall.

Plates to first floor joists to be 2 in. by $\frac{3}{8}$ in. wrought iron, tarred and sanded on external walls, and 3 in. by 1 in. deal on internal walls; 7 in. by 1 $\frac{1}{2}$ in. ridges and hips and valleys; 4 in. by 2 in. rafters and collars; roof plates, 4 $\frac{1}{2}$ in. by 3 in.

The eaves will be formed of small wrought fascia and the soffit boarding of grooved and tongued square-jointed boarding fixed to bearers.

Floors to be framed and put together in the strongest possible manner, and trimmers to be 1 in. thicker than adjoining timbers, and no woodwork to be within 9 in. of any flue.

Bearers to ground-floor joists to be 3 in. by 2 in. well tarred.

Herring-bone strutting to all joists when over 8 ft. bearing.

Fix asbestos slabs to motor-house screwed to joists to form ceiling.

Flooring.—All floors to have mitred borders around hearths, close scribed, thickly covered with sawdust while the work is in progress.

Ground floor and first floor 1 in., and in room in attics rebated boarding in batten widths with splated headings.

All flooring to be traversed after being laid and left free from all stains: the cleaning off not to be done until just before the house is handed over.

Wood-block floor in kitchen laid herring-bone in mastie.

Skirtings.—To all rooms 3 in. by $\frac{3}{4}$ in. plain square.

Stairs.—To have 1 $\frac{1}{2}$ in. deal treads with rounded nosings $\frac{7}{8}$ in. deal risers; 1 $\frac{3}{4}$ in. square wall strings to take up with skirtings, the outer strings to have small mouldings planted on 4 in. by 3 $\frac{1}{2}$ in. oak-moulded handrail; 1 in. square deal-bar balusters; and 4 in. by 4 in. deal newels with small bead on angles and moulded-oak capping 1 $\frac{1}{4}$ in. thick.

Windows.—Where crossed on elevation to open and to have 4 in. by 3 $\frac{1}{2}$ in. red deal frames set in 4 $\frac{1}{8}$ in. reveals and grooved for plaster, with inside arris to frames and mullions, &c., softened off, and built in as the work proceeds with wrought-iron ties; the heads will be similar, and mullions out 3 $\frac{1}{2}$ in. by 2 $\frac{1}{2}$ in.; and oak sills, 6 in. by 3 $\frac{1}{2}$ in., sunk, weathered and throated and splayed outside with returned ends, all rebated for iron casements or leaded lights to detail section.

For the iron casements allow the sum of 16s. each fixed complete.

Fill in larder window with close-meshed wire.

All joinery throughout to be left clean for staining.

Window Boards.—To be plain 1 in., rounded, grooved and tongued to sills.

Doors.—**SEE DETAIL.**—Throughout first floor and ground floor up to and including door from hall to lobby to be three-panel, moulded on the solid; 1 $\frac{1}{2}$ in. deal doors hung with 4 in. wrought-iron butts to 1 $\frac{1}{2}$ in. rebated linings with 2 $\frac{1}{2}$ in. by 1 $\frac{1}{2}$ in. moulded architrave; locks and furniture to these doors 8s. per set. Elsewhere ordinary four-panel square framed, hung to 1 $\frac{1}{2}$ in. rebated linings and small 1 $\frac{1}{2}$ in. by 1 in. architrave; locks and furniture 5s. per set.

All best internal doors will be 6 ft. 6 in. high in clear, 2 ft. 10 in. in width, with the exception of doors out of kitchen, &c., which will be 2 ft. 8 in. wide.

Tradesmen's entrance door to be 1 $\frac{3}{4}$ in. thick with solid flush panel below and open for glass above, with stout bars, hung to 4 in. by 3 in. rebated frame; 2 ft. 8 in. iron bolts and brass round furniture and rim lock, p.c. 8s. 6d.

Doors to back w.c., coals, to be 1 $\frac{3}{4}$ in. ledged and braced, with 4 in. by 3 in. square and rebated frame, and $\frac{7}{8}$ in. square-jointed tongued boarding, with iron Norfolk latch and small 4 in. bolt to w.c. door.

The front door to be 1 $\frac{3}{4}$ in. thick oak, with panels moulded and raised, hung to 4 in. by 4 in. oak moulded rebated frame fitted with Yale lock and 2 ft. 8 in. brass bolts and letter plate.

Beams over dining-room ingle nook to be in pine 10 in. by 8 in.

The double doors to motor-house to be framed and braced 2 $\frac{1}{4}$ in. thick, with upper part glazed and filled-in with square-jointed, grooved and tongued boarding, hung with Collinge's hinges and rim lock and bolts.

Picture mould.—Provide and fix plain square and rebated picture mould to dining-room, hall, parlour, four bedrooms, and first floor landing.

Fittings.—All shelving to be left clean, and to be out of 1 in. thick, with edge slightly rounded, fixed to neat deal uprights with cast-iron brackets.

Fit up enclosed dresser in kitchen with cupboard and doors made to slide at top and bottom.

Below draining-board and sink fit up a cupboard front with shelves inside, and fit up three rows of 9 in. shelving some 6 ft. or 7 ft. long as directed. In larder one row of 18 in. shelving and two rows of 11 in. ditto. In linen cupboard, fit up three rows of 1 in. by 1 $\frac{1}{2}$ in. lattice shelves.

Provide for kitchen range and boiler, £6 10s.; parlour stove and chimney place, £5 10s.; dining-room, £4 10s.; 4 bedrooms, stove and chimney piece, £1 10s. each.

Provide in parlour and dining-rooms deal cross-tongued seats on panelled enclosures, the seats to lift up.

Provide and fix deal plate-rack, fixed over draining board in scullery.

Elm Boarding.—Where shown, to small gables put 1 in. elm weather boarding in varying widths, with the bottom edge left rough and not straightened out, fixed to wood fixing blocks in the brickwork.

Leave the elm absolutely untouched.

IRONFOUNDER AND SMITH.

Provide and fix all ironmongery provided elsewhere.

Eaves Gutters.—To all eaves gutters throughout put 5 in. half-round cast iron gutters of stout metal, with external rebated joints put together with tow and red lead, fixed with strong wrought iron brackets served to fascia, cast-iron stopped ends and all angles and outlets to be same size as pipes under.

All rainwater pipes to be 3 in. round with plain eaves and kept clear of roughcast, to empty at foot with a cast-iron shoe over gulleys, and connected to eaves gutters with straight swan-neck bends.

Rainwater heads, 8s. 6d. each Over all down pipes and

outlets of gutters fix strong galvanized iron wire roses. Build in all door and window frames with wrought iron ties, one pair to each.

Where shown, fix R.S. joists on 3 in. stone templates.

PLUMBER.

Bells.—All bells to be electric, and to be executed in the best manner, with all needful wires in concealed tubes, with batteries, indicator, and apparatus complete, and the pipes to be left in complete working order.

Fit up proper indicator in polished hardwood case to indicate from 8 pushes as directed, including a lond-toned gong and backboard complete. Small 2 in. approved hardwood pushes throughout with brass ones to front and back entrance.

All lead to be the best milled, and to hold the weights as specified. Where roofs intersect or come against higher roofs put 5 lb. lead pad 15 in. squared. Against rakes of chimney stacks put 3 lb. lead soakers, one to each tile about 10 in. wide, to finish flush with bottom of tiles, and over same put 4 lb. lead cover flashing, stepped and wedged into joints; flash the bottom of the stacks and form valley with lead well taken up under tiles with 5 lb. lead.

All service and supply pipes to be of galvanized iron, and all wastes and overflows to be in "middling" lead and to meet the requirements of the water company and local authorities.

From the front fence lay a 3 in. lead pipe in a trench not less than 2 ft. below the surface in any part, to be taken up at some point inside the scullery to cisterns in roof with bell valve and draw-off tap in scullery over sinks and put stop cocks in main where it enters the house. Provide and fix a 75 gallon iron open cistern in roof, $\frac{1}{8}$ in. gauge thick with $1\frac{1}{2}$ in. overflow taken through roof with loose deal cover. From the cistern lay 1 in. iron service pipe to bath with $\frac{3}{4}$ in. branches to w.c. cisterns, scullery sink, and $\frac{1}{2}$ in. branch to lavatory basin in bath-room. Provide and fix a stop valve to service and $\frac{3}{4}$ in. high-pressure bib valve to sink and draw off $1\frac{1}{2}$ in. lead waste from scullery sink to discharge into open channel, with lead traps and screw cap in same 2 in. lead trapped waste to bath, to be taken into 2 in. stout L.C.C. iron pipe with caulked joints and to discharge over open channel at foot. Lavatory waste will be taken into this, also $\frac{3}{4}$ in. lead overflow in cisterns in w.c.'s.

W.C.'s.—Provide the sum of £2 10s. for first floor w.c. complete with mahogany seat and cover and water-waste preventer, and £2 for servants' w.c. with deal seat and water-waste preventer complete.

Provide $1\frac{1}{2}$ in. lead flushing pipes from cisterns to closet basins.

4 in. heavy metal cast-iron soil pipes of L.C.C. pattern from first floor w.c. taken down on the outside and connected to drains, connected to lead pipe from w.c., and provide all necessary brass ferrules for connection to w.c. basins, and to be carried up the full size as vent pipe with wire rose at top, joints to be caulked with lead.

In scullery provide and fix white glazed fireclay sink 3 ft. long and 6 in. deep with 2 in. brass plug and washer and back nut and union, standing on deal framed bearers and $1\frac{1}{2}$ in. hard wood grooved draining-board with fillet on front edge and small skirting around same at back and sides.

In bathrooms provide and fix enamelled white cast-iron rolled-edge bath, to be selected, p.c. £5 10s., with hot and cold valves, waste and overflow.

Provide the sum of £2 for lavatory basin on plain cast-iron brackets complete.

Provide and fix in linen cupboard a 30-gallon $\frac{1}{8}$ in. plate galvanized iron hot-water tank, with manhole cover and connections to the supply and expansion pipes; connect the boiler in kitchen and hot-water tank with $1\frac{1}{4}$ in.

galvanized iron steam barrel flow and return pipes, and lay on from cistern in roof 1 in. cold service pipe with stopcock; take 1 in. branch supply to bath and $\frac{3}{4}$ in. to sinks and lavatory basin, 1 in. expansion pipe from the top of cylinder taken up above the level of cold-water cistern and turn over it with a bend. Provide proper dead-weight safety-valve in kitchen.

In kitchen by range allow for providing T-pieces in flow and return pipes, so that a gas circulator can be fixed to them.

Where the pipes are likely to be exposed to the effects of frost, as in the roof and maids' w.c., they are to be wrapped in thick paraffin oiled brown paper and two thicknesses of thick hair felt bound round with copper wire, and to cisterns provide insulated easing of two thicknesses of matchboarding 2 in. apart and filled with sawdust.

The contractor is to ascertain before ordering any of the above fittings whether they will meet the requirements of the water company, and is to make any changes that may be necessary.

GLAZIER AND PAINTER.

Glass to be the best of its respective kinds, to be picked clear of flaws and specks and to be 21 oz. Leaded lights, p.c. Is. 1d. per foot super, fixed.

Leave all glass clean and perfect.

All colours to be of the best description and all ironwork to be thoroughly cleaned from rust before being painted, and all painting and distempering to be of approved tints.

Shelving to be left plain.

All external work, except oak, which will be left untouched, is to be carefully knotted, stopped and primed, and well rubbed down between each coat, and to be painted four oils finished to approved tints; paint all pipes, hot and cold, four oils, all ironwork ditto.

Internally the whole of the woodwork will be stained with two coats of "Solignum."

Scrub all floors, clean all windows, and leave all clean and perfect at completion.

Drains.—All drains to be glazed stoneware, socketed, best quality, jointed in cement, laid on a bed of concrete to an even fall of not less than 3 in. in 10 ft., or to follow the slope of the ground if greater than this.

Well ram the earth around the drain after filling in, and wipe out all projections of cement on the inside as the work proceeds.

Bed all gulleys and traps in cement, and the whole of the drains to be tested with water in the presence of the architect or his representative, and also the estate architect before being filled in, and at completion the whole of the sanitary work to be tested with a smoke-testing machine.

Provide all necessary bends and junctions and excavate for and build manholes where shown of 9 in. brickwork in mortar on 6 in. of cement concrete foundations, well benched up and cemented in the inside and with brown glazed half-channel pipes. Provide and fix iron air-tight covers.

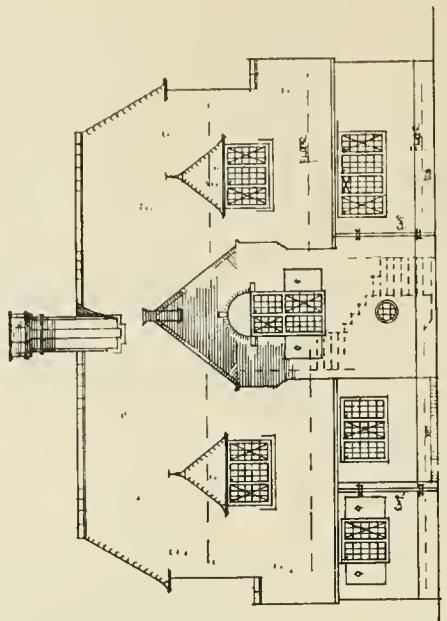
Between the last manhole sewer fix an intercepting trap with cleaning arm to same, and provide a fresh air inlet with mica flap grating.

To all rainwater pipes put Doulton's No. 13 gulleys, and to feet of sink, bath and lavatory wastes, as open glazed channel to run into a gully, with a cast iron grating over and paving brick curve all round.

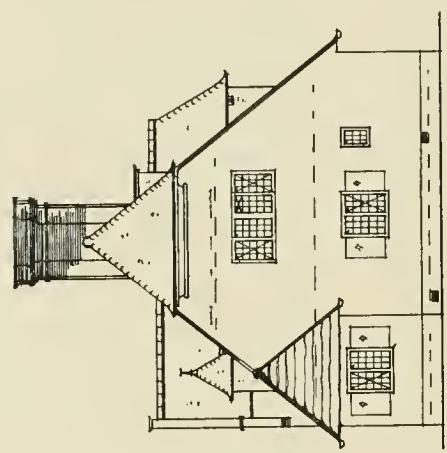
Gas.— $\frac{3}{4}$ in. main, $\frac{3}{8}$ in. branches, meter in cupboard under stairs, to be laid on with strong wrought iron pipes with screwed joints and all necessary T-pieces, &c. The pipes to be well bedded in the plaster.

Carry gas points to fireplace in parlour, dining-room, and all bedrooms, and gas cooker in kitchen, and to lighting points in as many rooms as required.

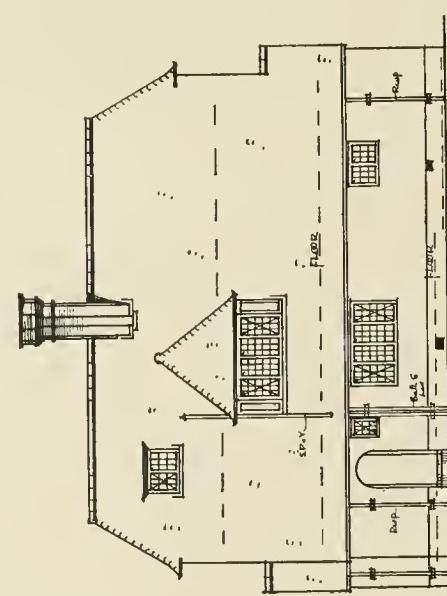
Electric Light.—Allow for wiring to points, all in concealed metal tubes and to pass the local supply company.



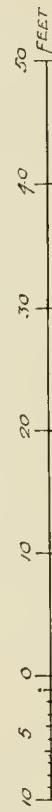
-SOUTH-EAST ELEVATION.



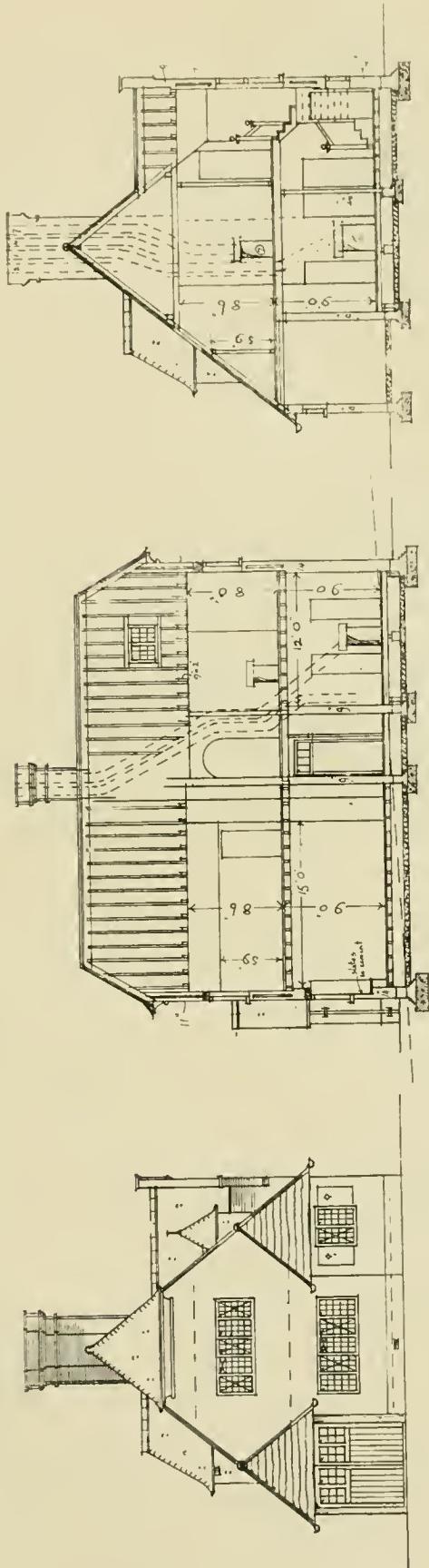
NORTH-EAST ELEVATION



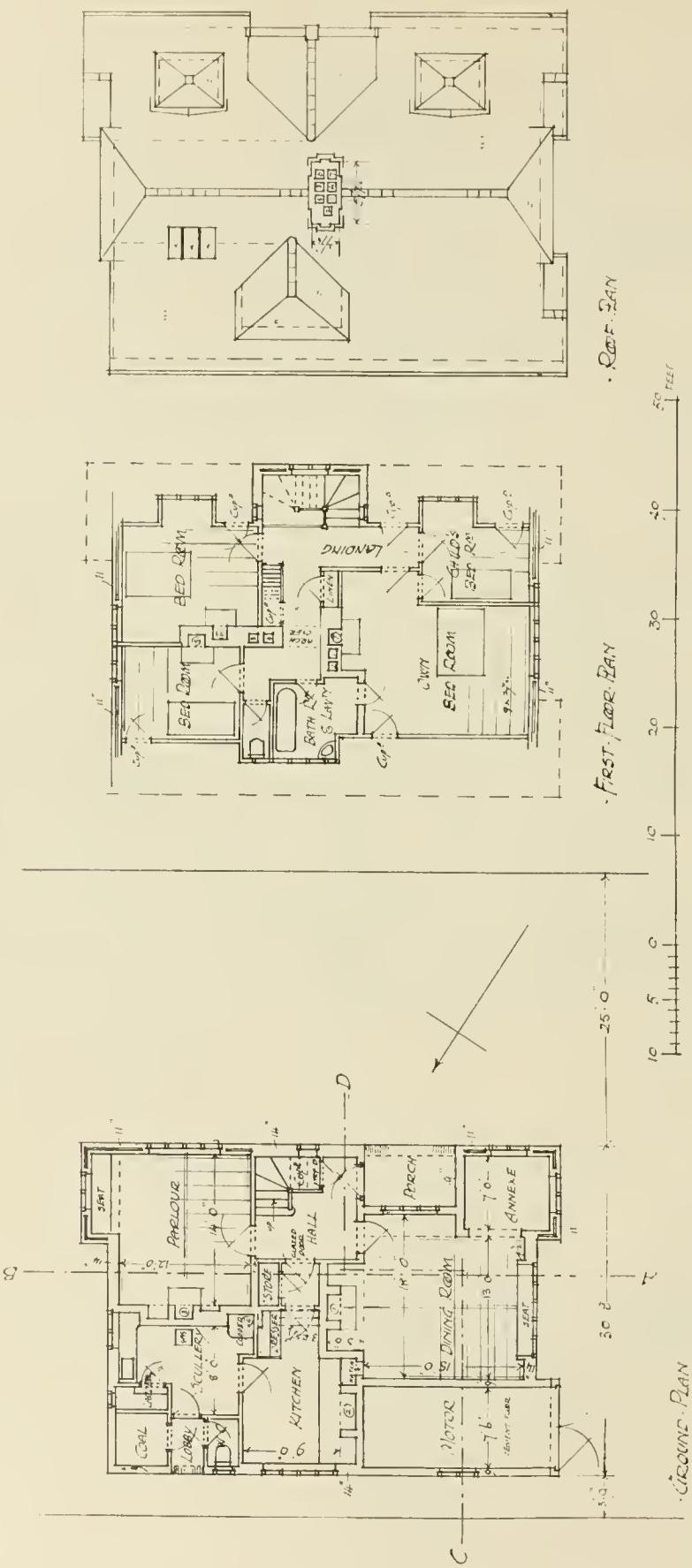
NORTH-WEST ELEVATION



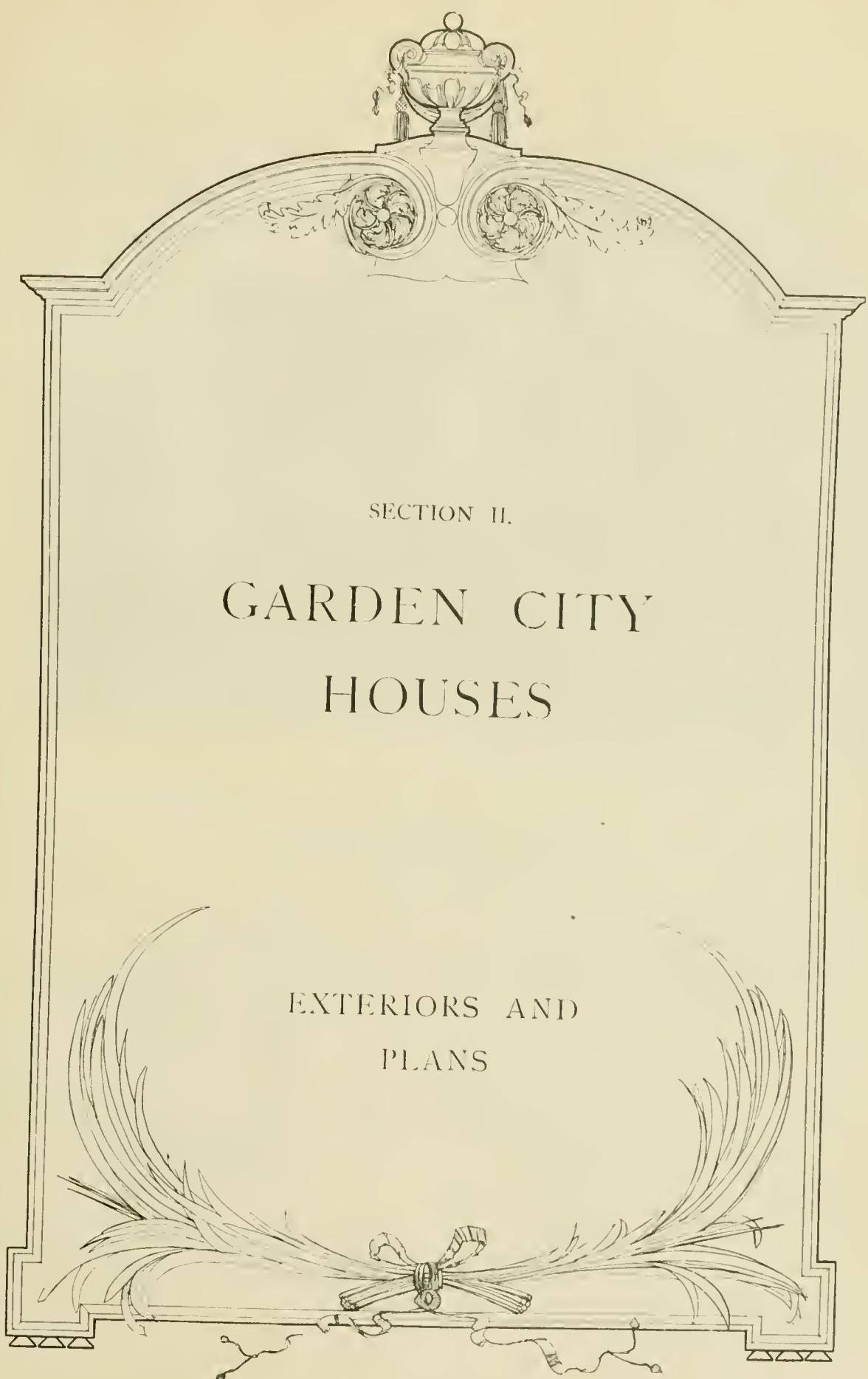
HOUSE AT THE HAMPSTEAD GARDEN SUBURB. T. MILLWOOD WILSON, ARCHITECT.



HOUSE AT THE HAMPSTEAD GARDEN SUBURB. T. MILLWOOD WILSON, ARCHITECT.



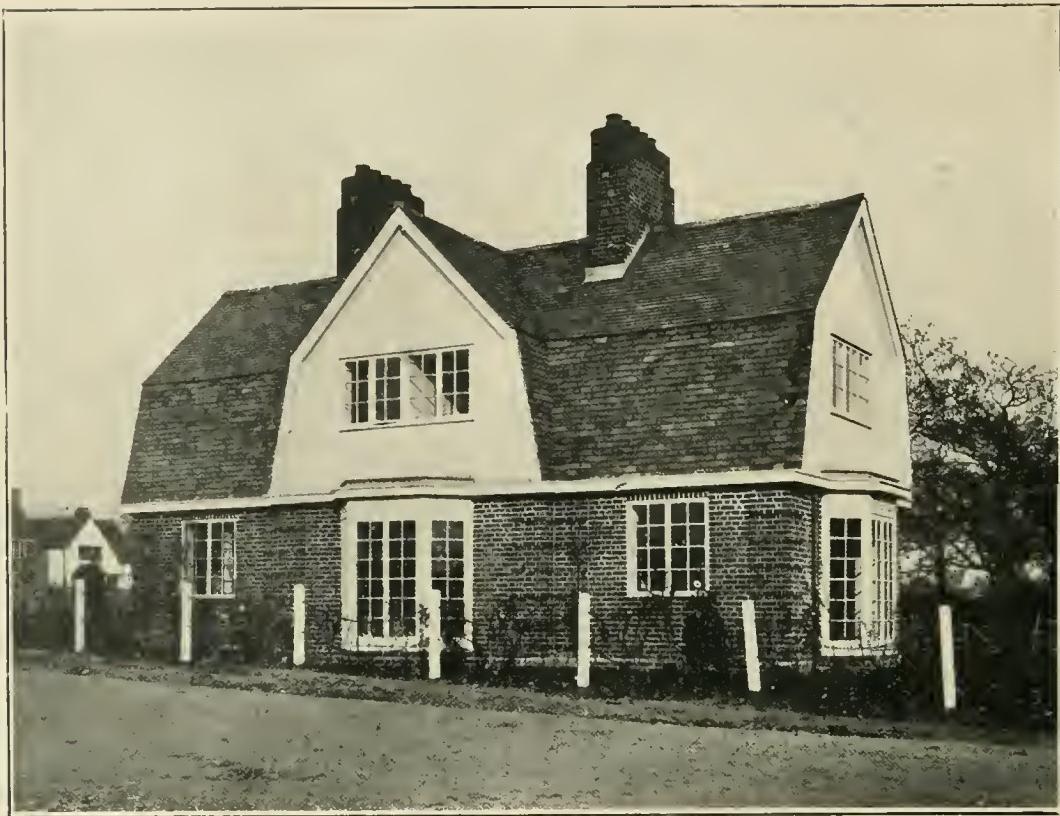
HOUSE AT THE HAMPSTEAD GARDEN SUBURB. T. MILLWOOD WILSON, ARCHITECT.



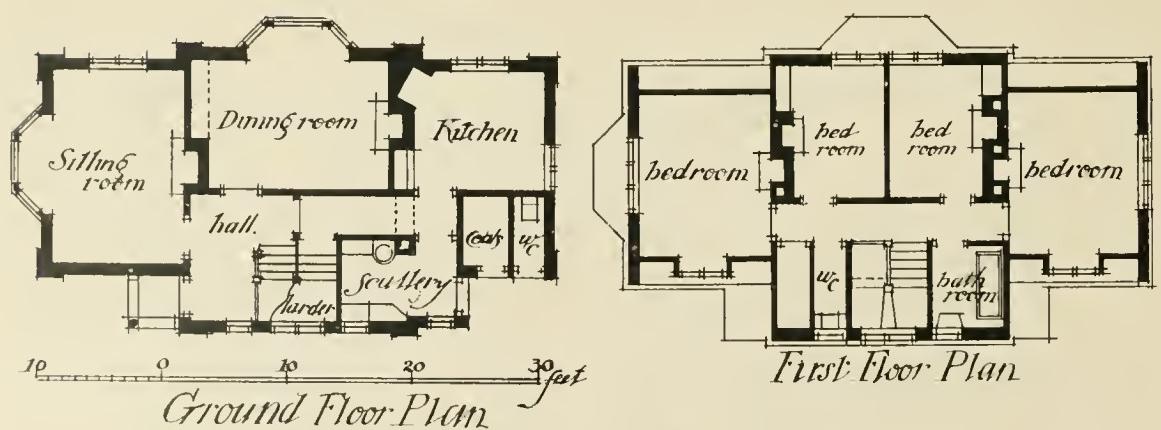
SECTION II.

GARDEN CITY HOUSES

EXTERIORS AND
PLANS

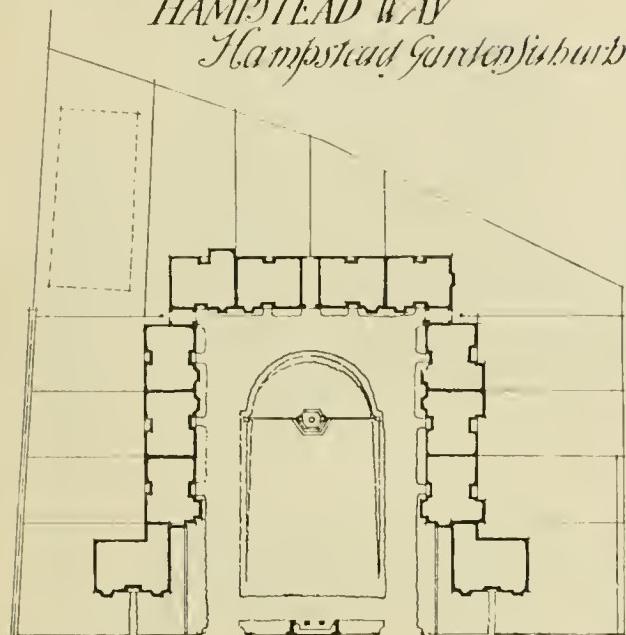


*House in Parkway
Gidea Park*



*Reginald T. Longden
Archz*

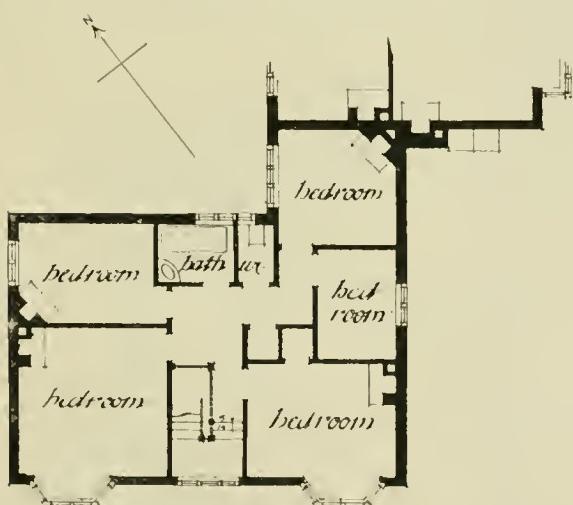
Square of twelve houses
HAMPSTEAD WAY
Hampstead Garden Suburb



SITE PLAN
 SCALE OF FEET

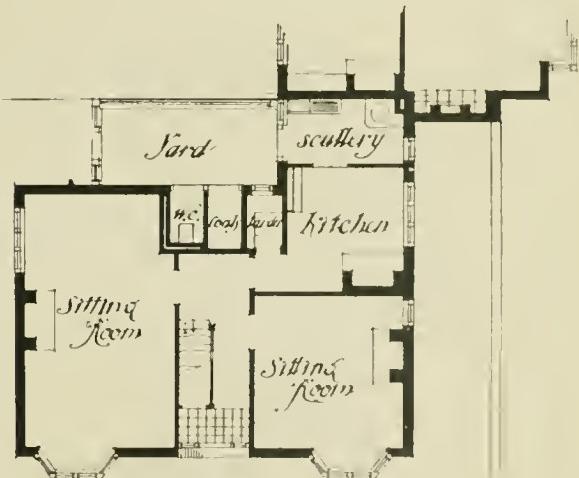


Goffry Lucas
 Arch^t

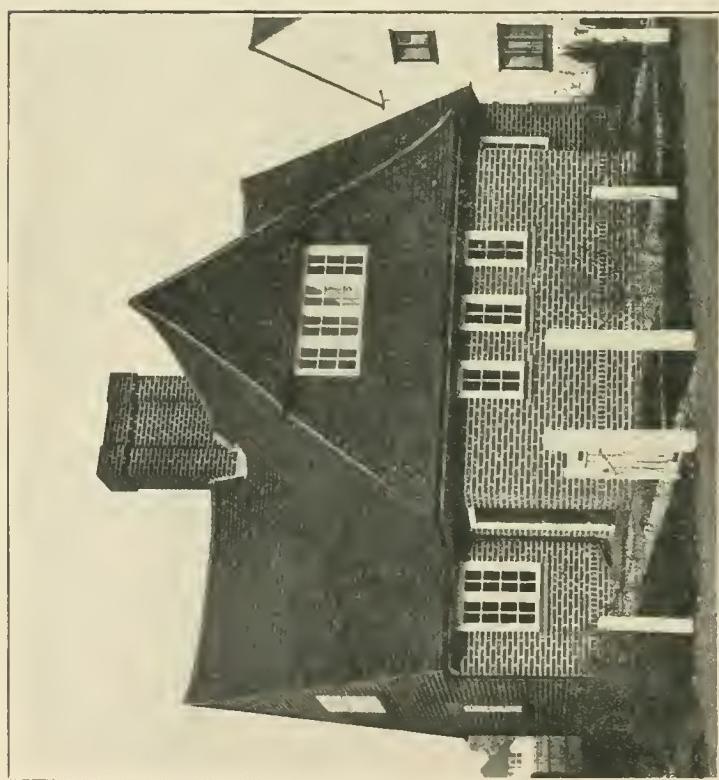
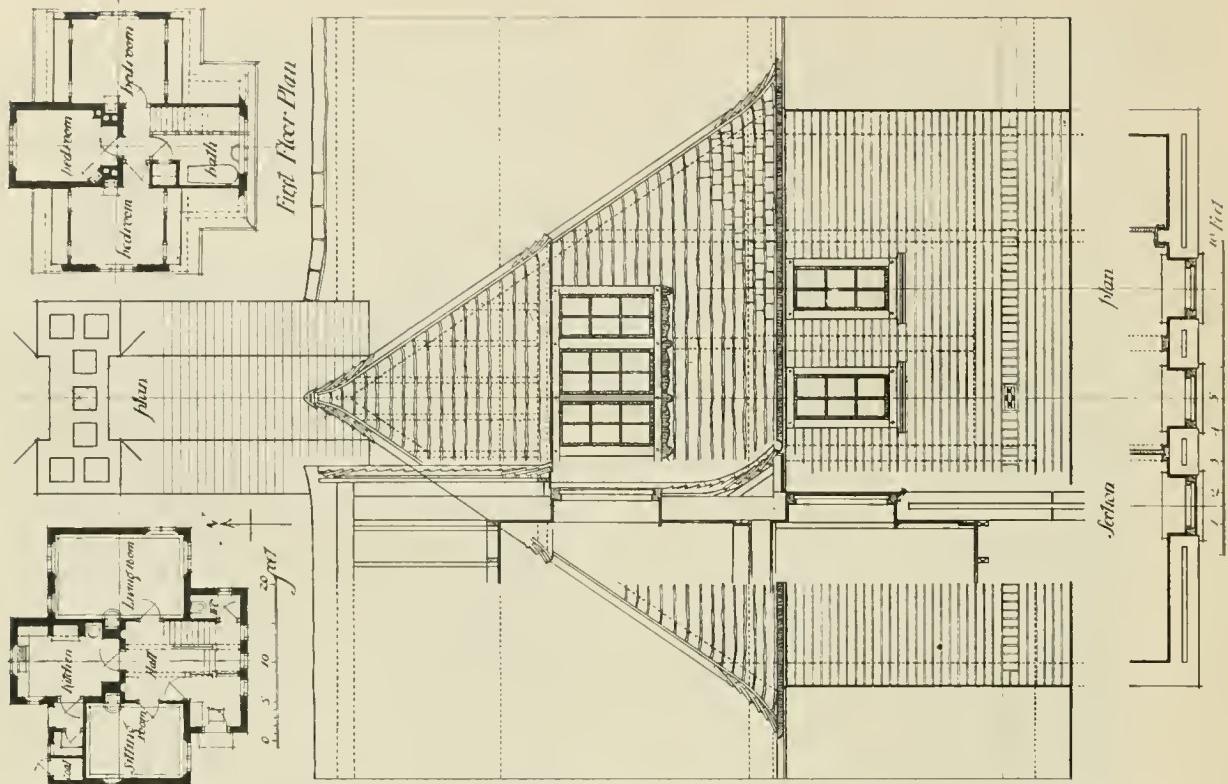


FIRST FLOOR PLAN

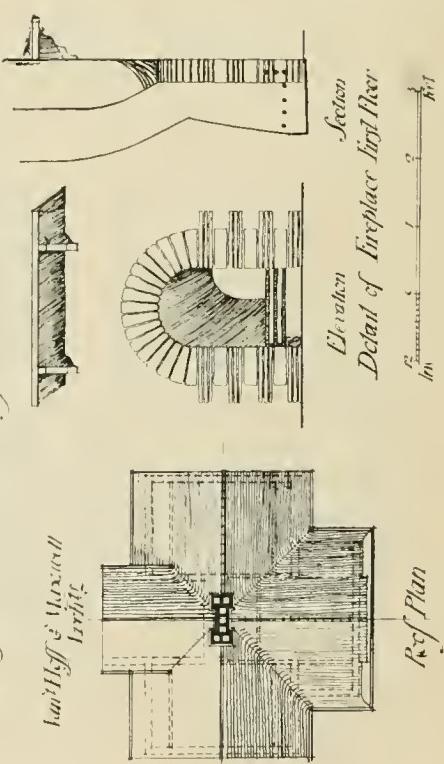
SCALE OF FEET



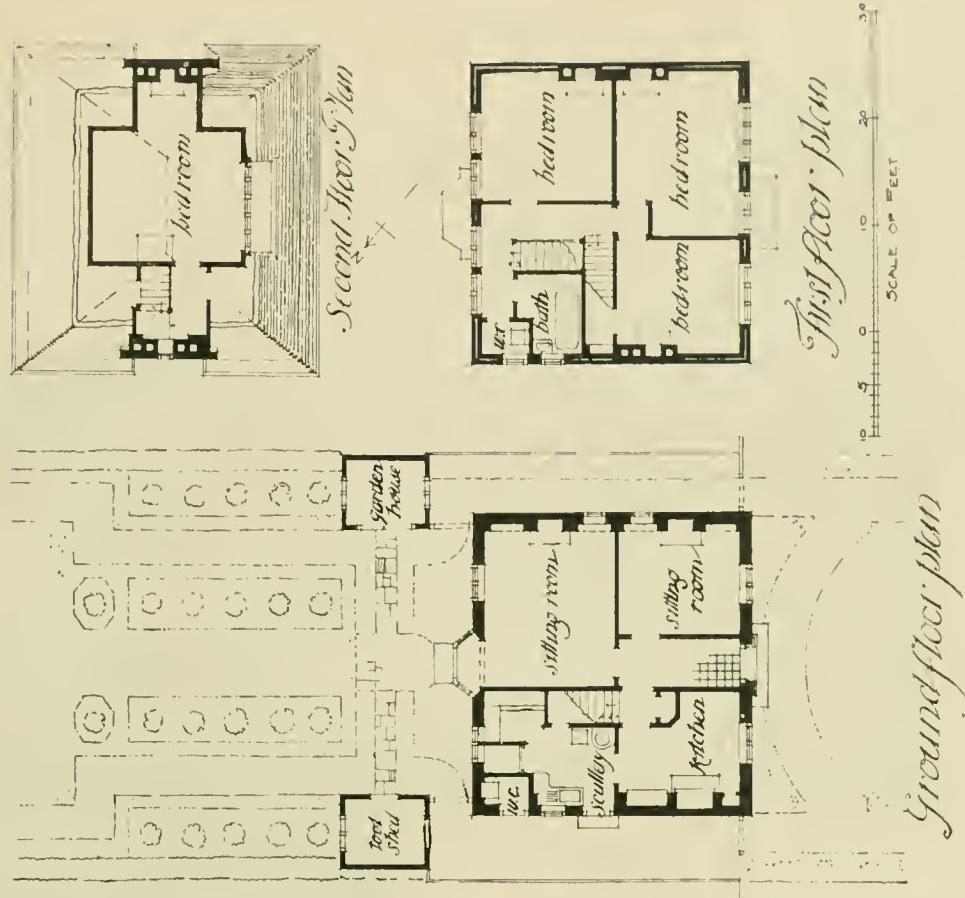
GROUND FLOOR PLAN



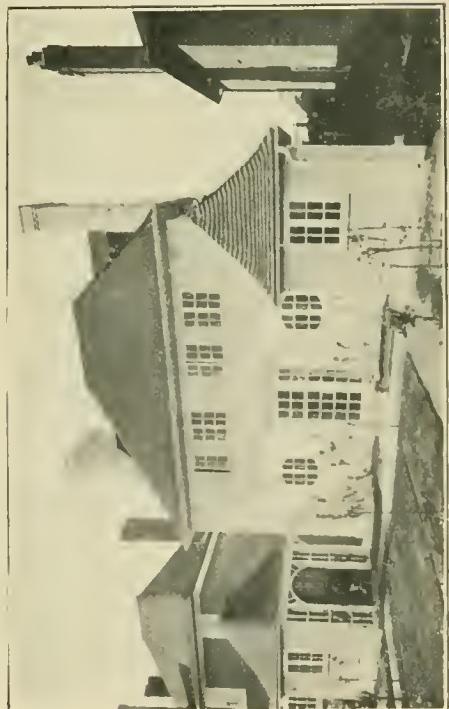
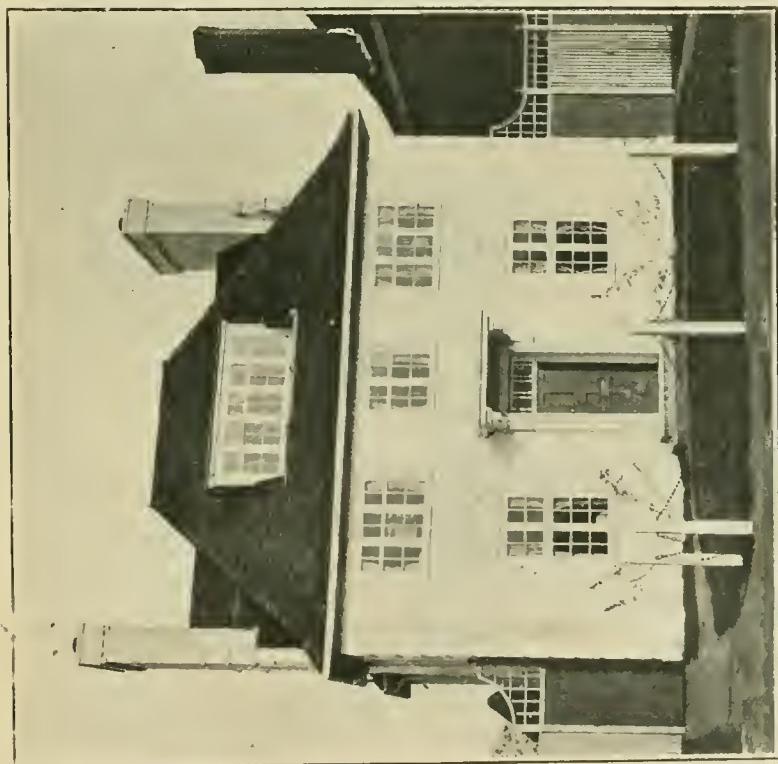
Cottage in Merchant's Garden Park



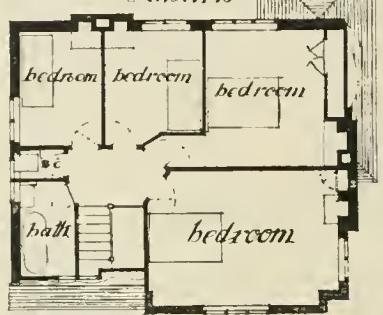
HOUSE IN PARKWAY
GLENDALE PARK



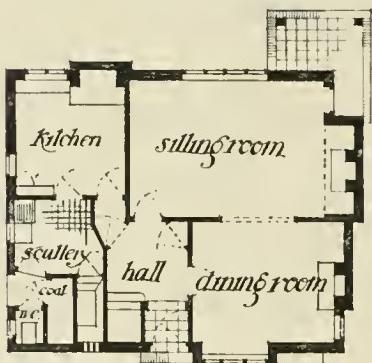
George Lucas Jr.



*House in Hillside Hampstead Way
Hampstead Garden Suburb*

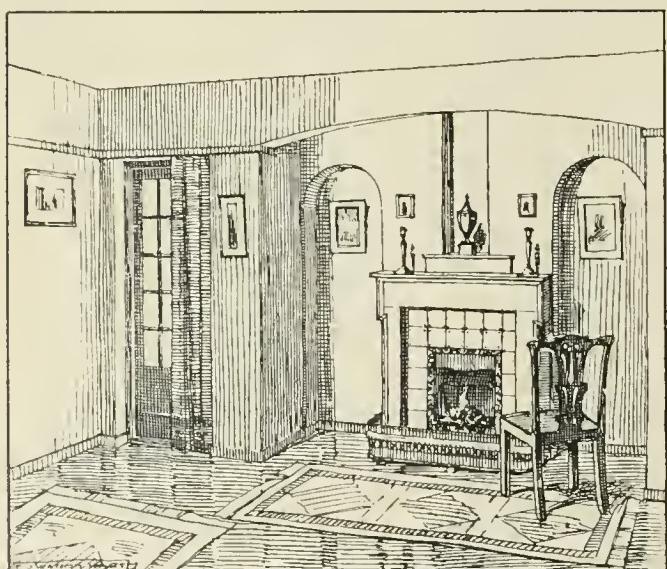


First Floor Plan

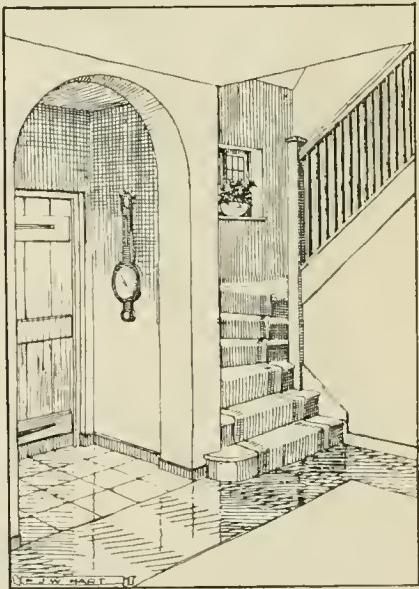


Ground Floor Plan

12 18 24 30 36 feet
F.H.Watson Hart
Archt



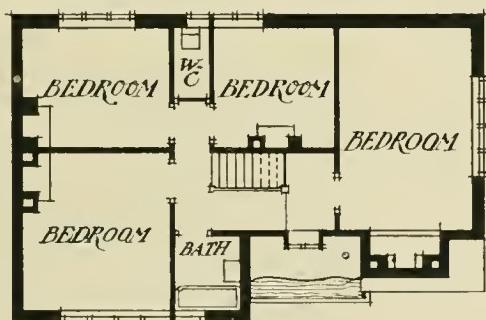
Fireplace in Sitting room



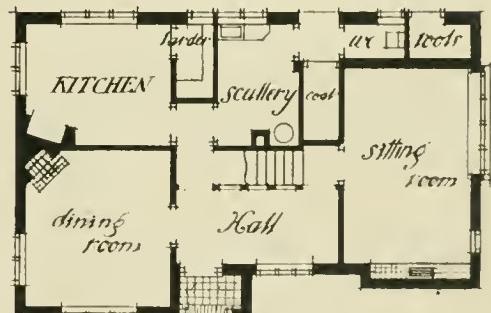
Hall & Staircase



*HOUSE IN REED POND WALK
CLIDEA PARK*



FIRST FLOOR PLAN



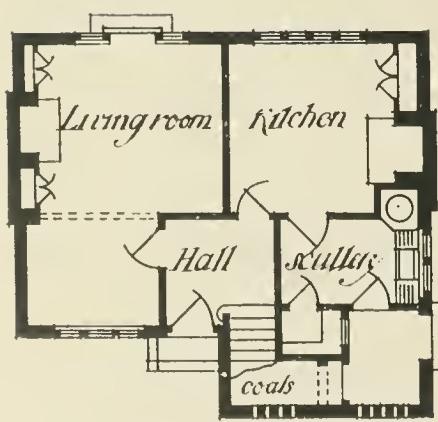
GROUND FLOOR PLAN

10 9 10 2.0 3.0 ft
Reginald Sonnenburg
Archt

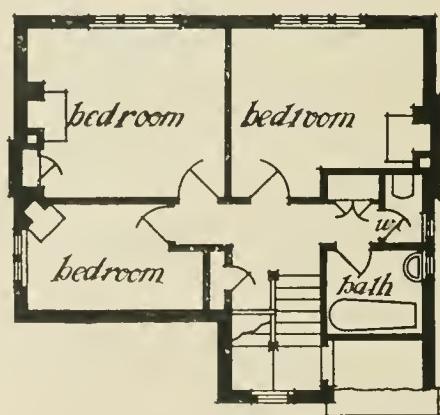


House in Meadway Gidea Park

*C.M. Crickmer
Arch̄*



Ground Floor Plan

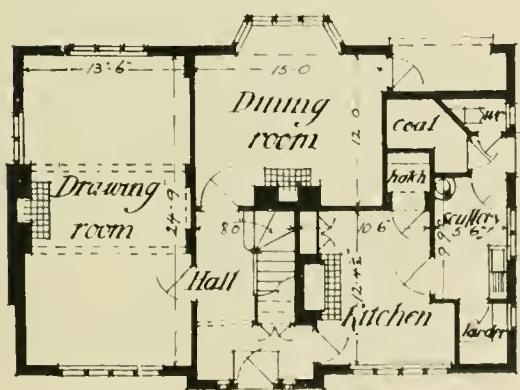


First Floor Plan

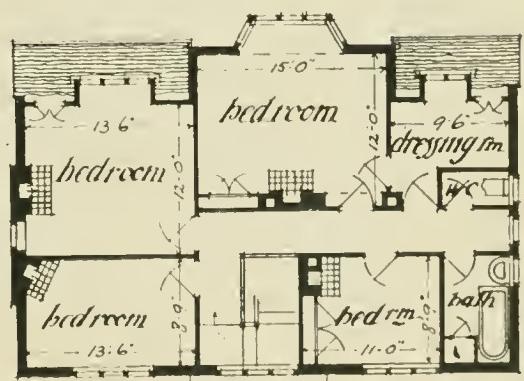
10 0 10 20 30 40
Feet.



House in Heath Drive Gidea Park



Ground Floor Plan



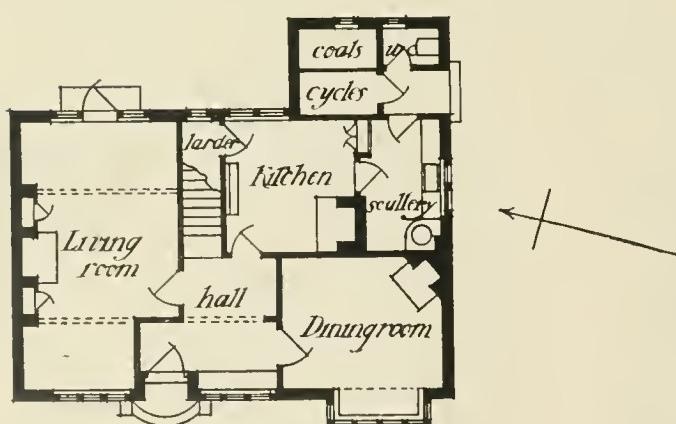
First Floor Plan

0 10 20 30 40 50 Feet

*Michael Bunney
Clifford Making Architects*

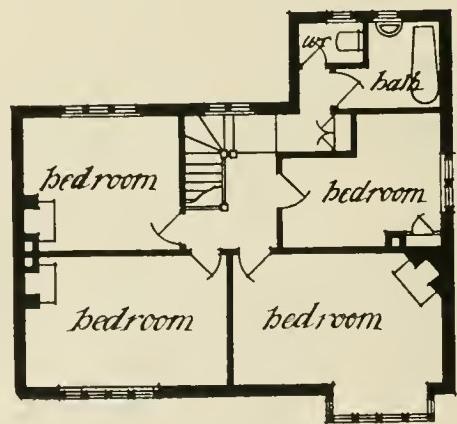


*House in Reed Pond Walk
Gidea Park*



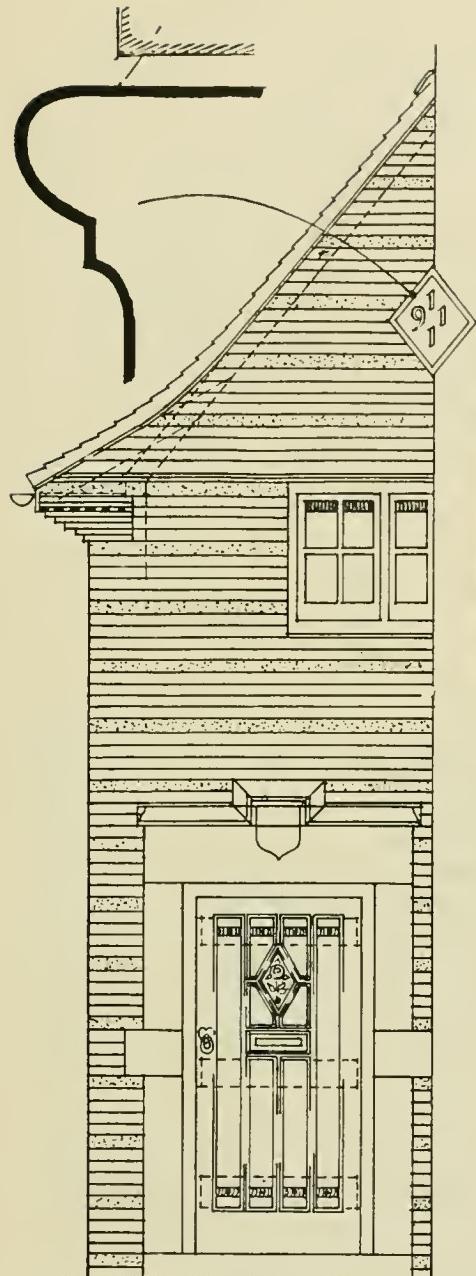
Ground Floor Plan

*C.M. Crickmer
Archt.*

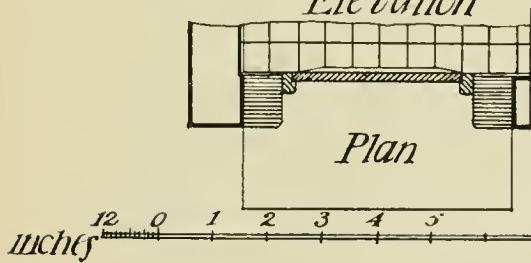


First Floor Plan

10 9 10 20 30
feet

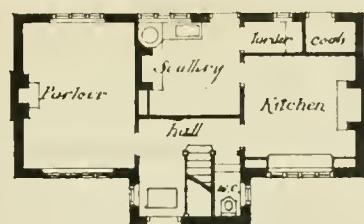


Elevation

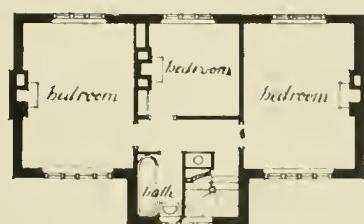


inches 12 0 1 2 3 4 5

Plan



Ground Floor Plan



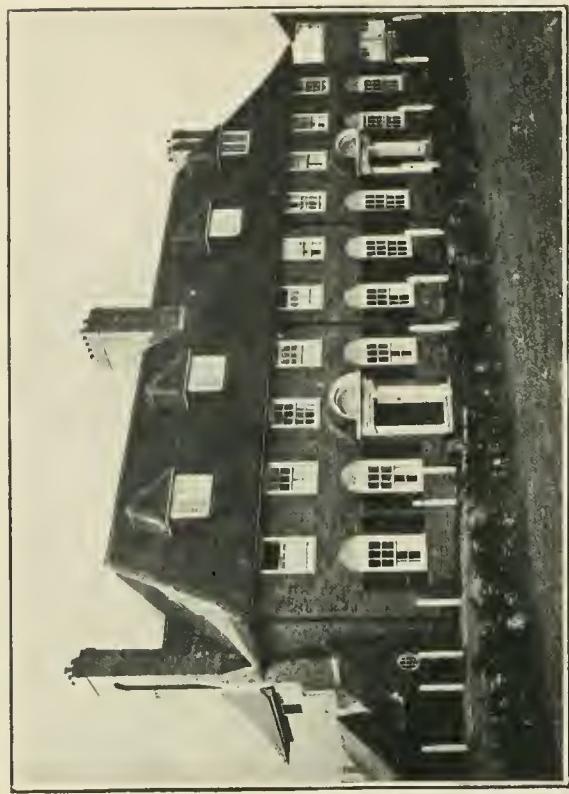
First Floor Plan

10 0 10 20 30
feet

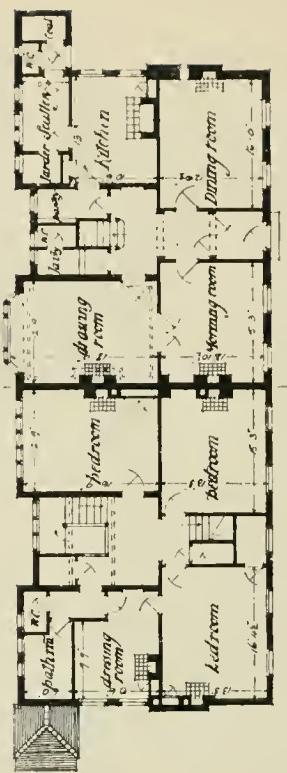
*House in Meadoway
Gidea Park*

10 feet

Perry Henlyen Arch.



*Houses in LUMSELL CLOSE
HARESTEAD GARDEN SUBURB*

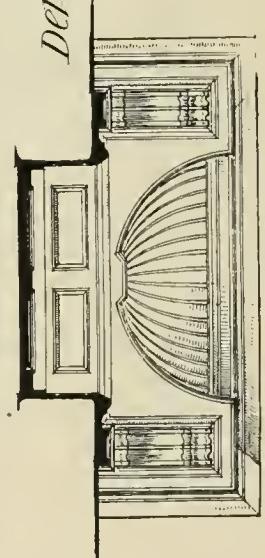


*First Floor Plan
Two Beddingg Etc., m. Archt.*

10' 0" 10' 0" 10' 0" 10' 0"

*Archd. Bunnay
Gifford Nichols, Archt.*

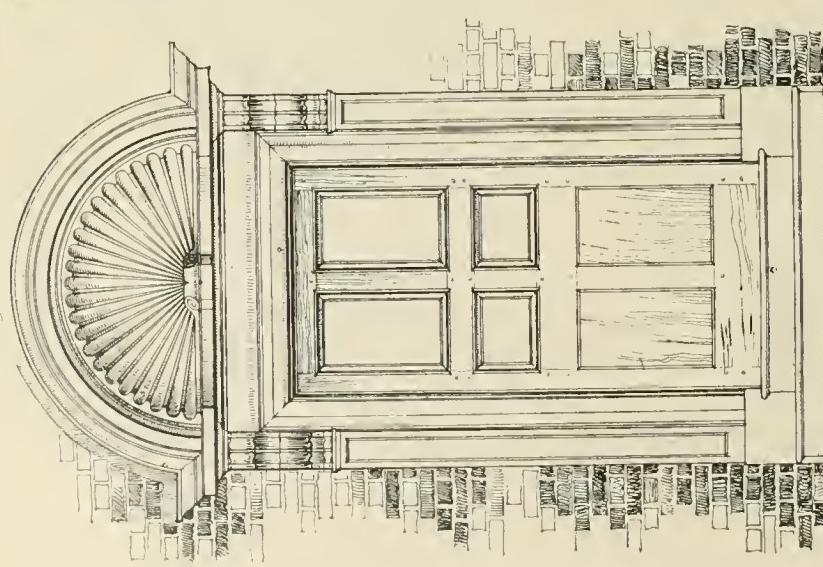
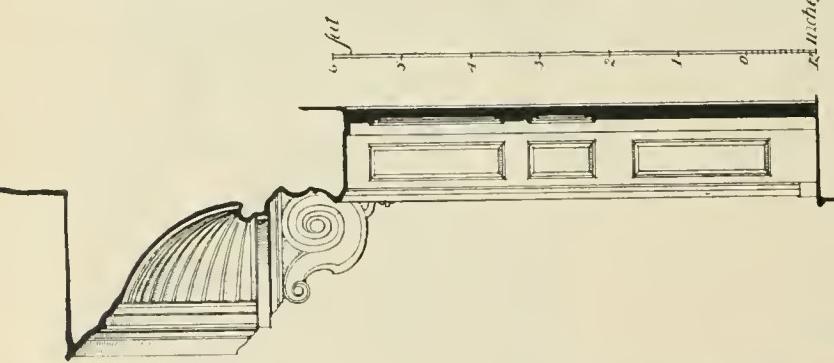
Detail of doorway

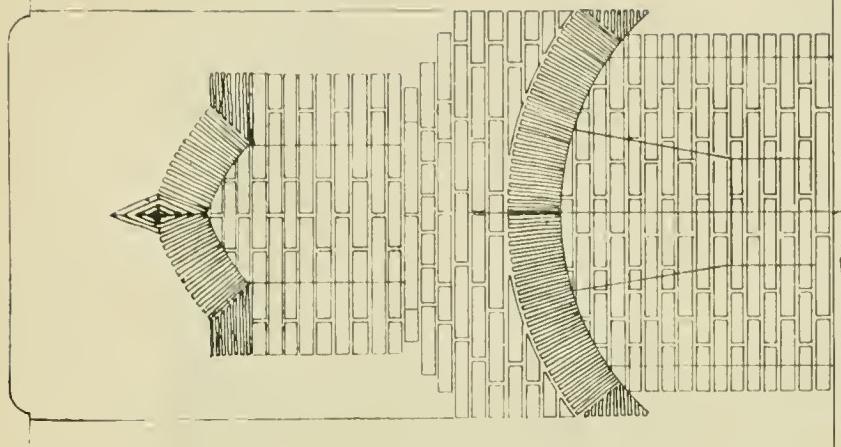


Plan

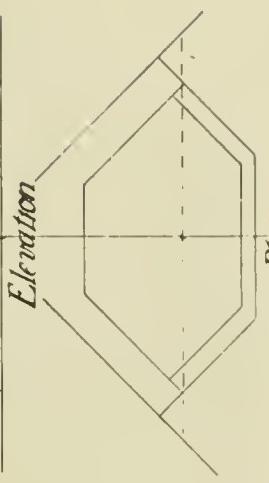
Elevation

10' 0"



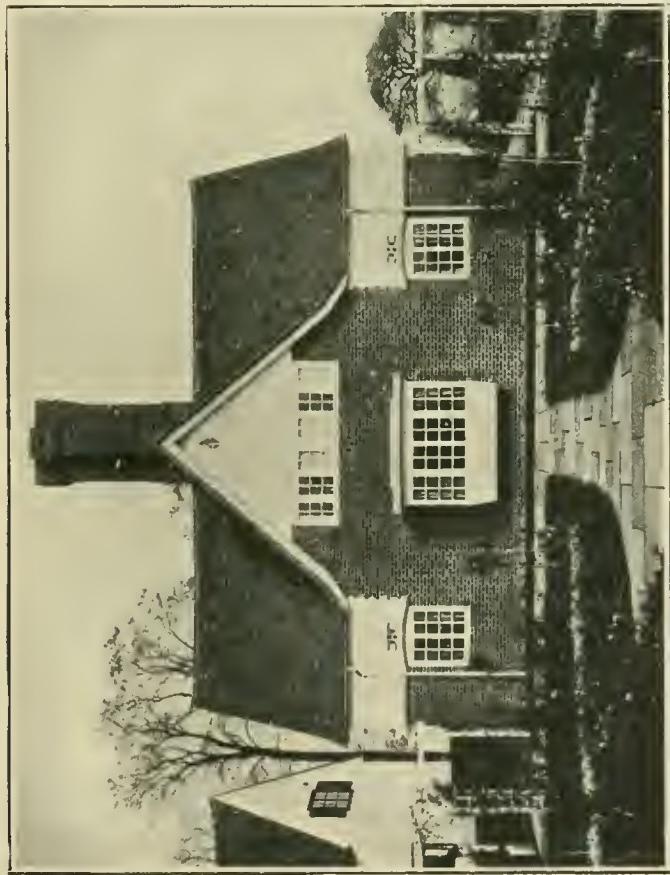


Elevation



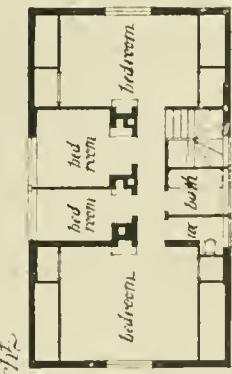
Plan

~ ~ ~ ~ ~ Fire place in Dining Room
Elevation ~ ~ ~ ~ ~ Feet.
Ground floor ~ ~ ~ ~ ~ 5
meters

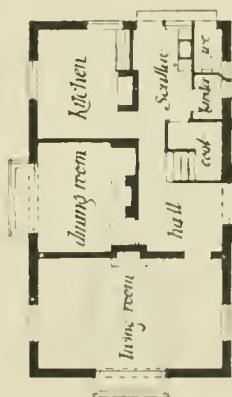


*House in Heathdrill
Gidea Park.*

First Flr. Plan



First Flr. Plan

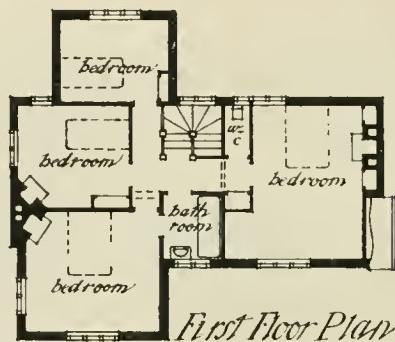
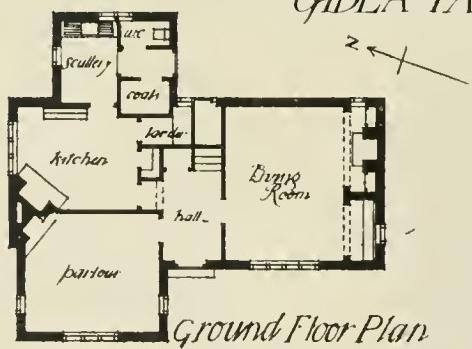


Ground Flr. Plan

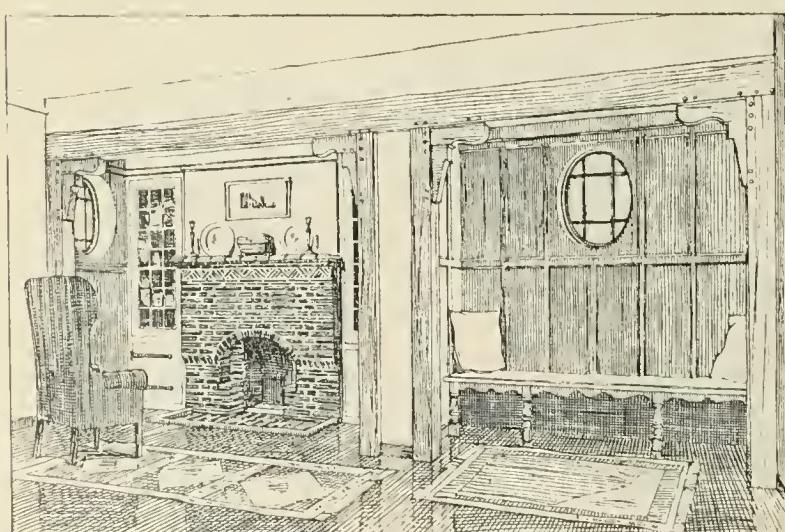
Scale 10 20 30 40 50 feet.



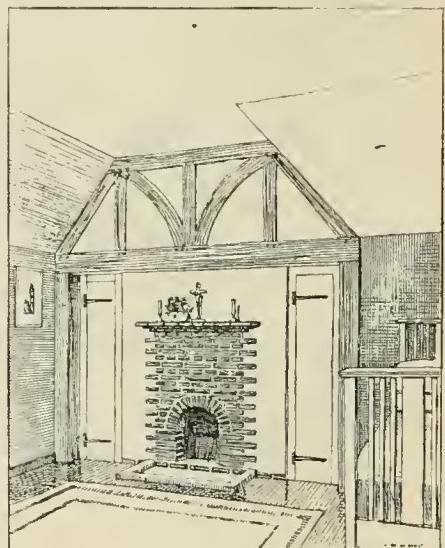
*HOUSE IN REED POND WALK
GIDEA PARK*



10' 10" 20' 30' 40' 50' 60' *Herbert A. Welch
Archt.*



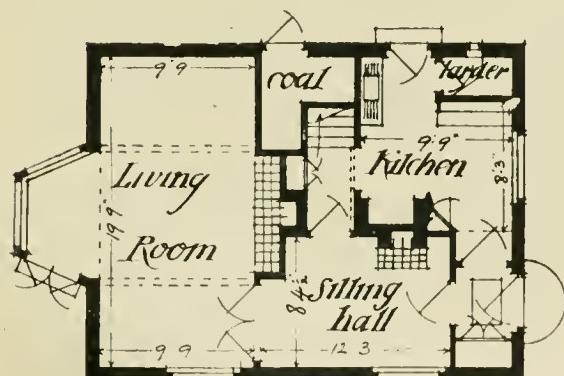
Interior of Living Room



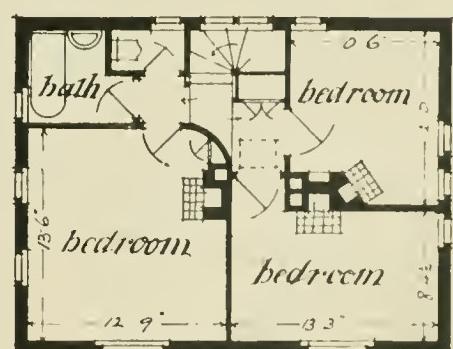
Bedroom Interior



House in Parkway Gidea Park

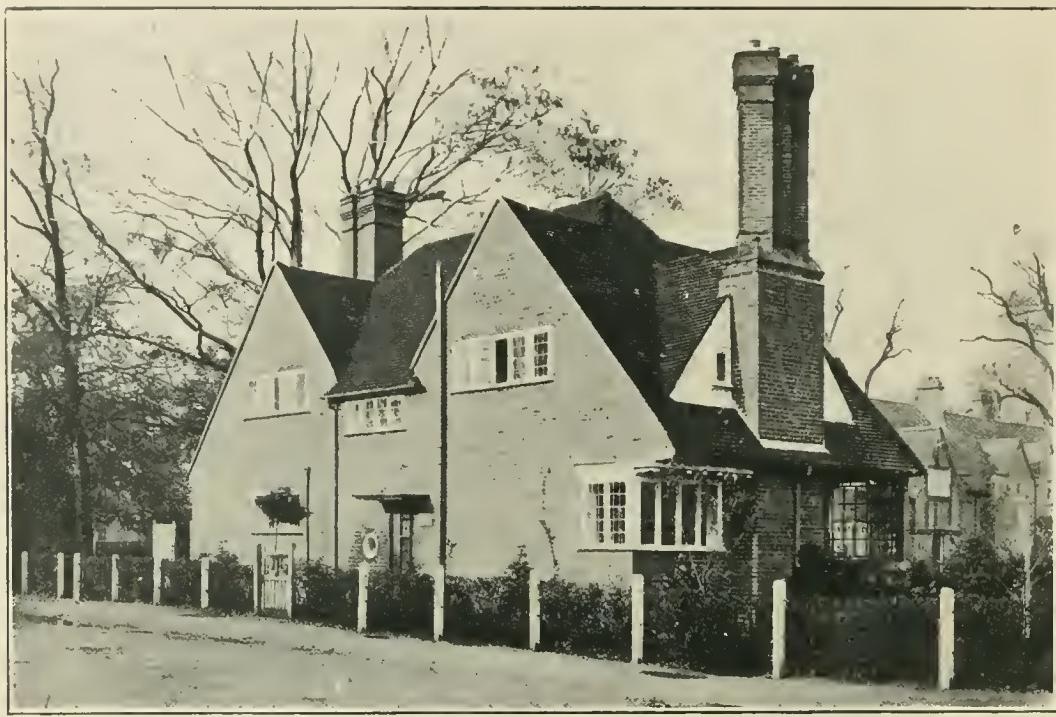


Ground Floor Plan



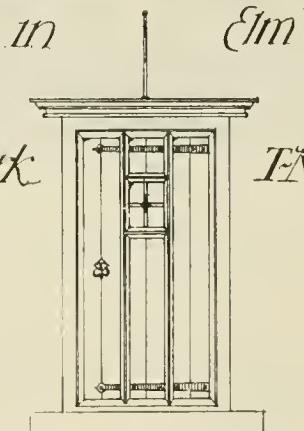
First Floor Plan

*Michael Bunney
Clifford Lakin, Archt's*



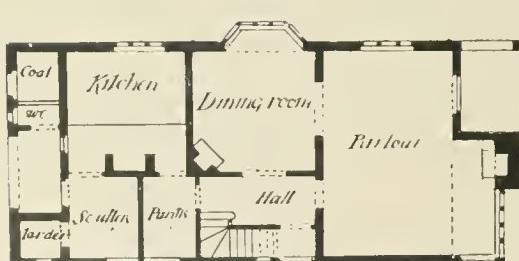
House in Elm Walk

Gidea Park TM Wilson Archt

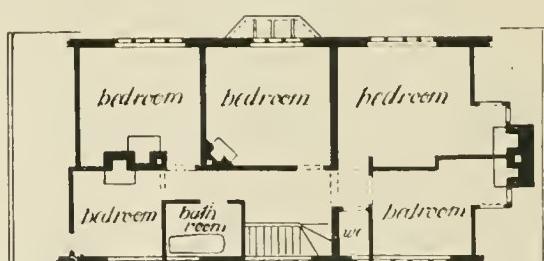


Detail of front-door

1 ft 2 handbreadths 0 2 3 4 5 feet



Ground Floor Plan

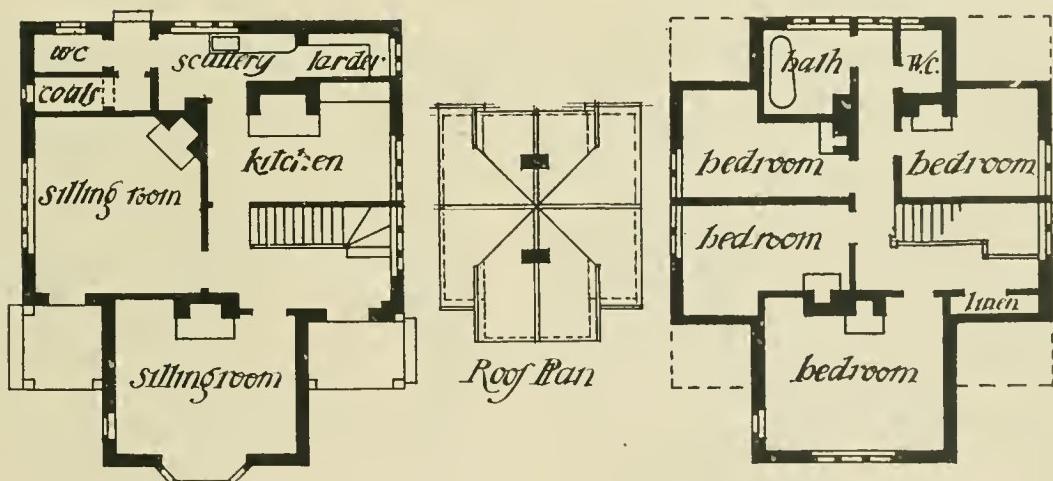


First Floor Plan

10 10 20 30 40 50 feet



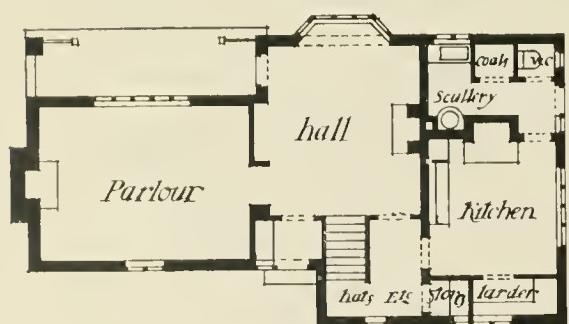
*House in Reed Pond Walk.
Gidea Park.*



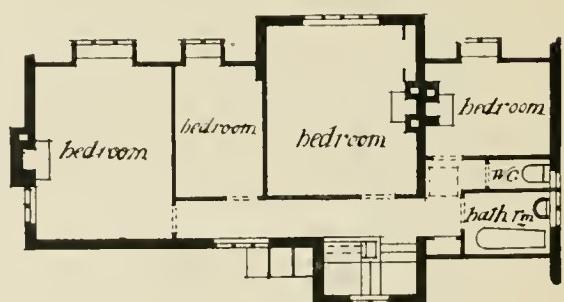
*E.J. May
Archt*



House in Willyfield Way Hampstead Garden Suburb.



Ground Floor Plan

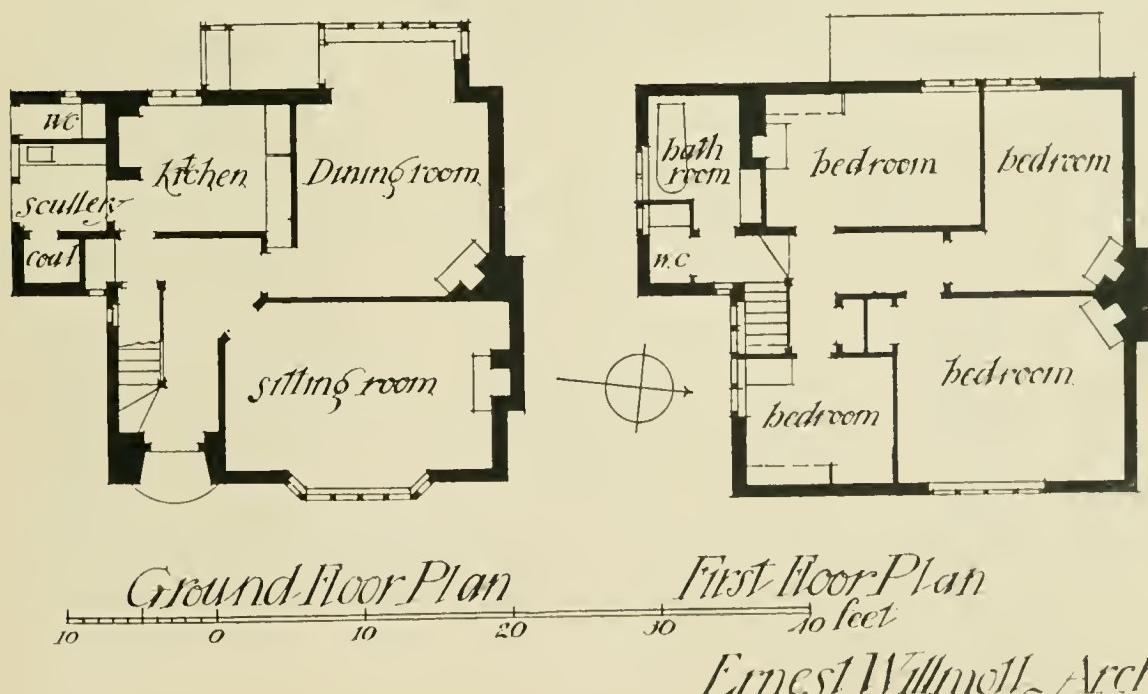


First Floor Plan

10 0 10 20 30 40
Feet T.M.Wilson Archt

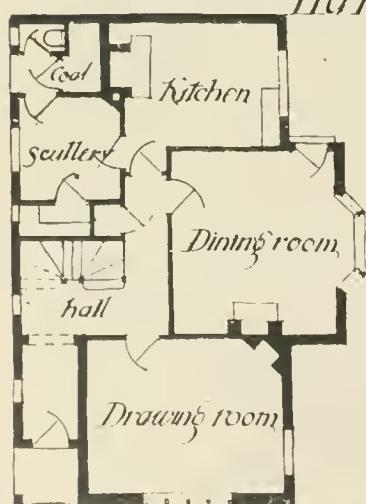


House in Heath Drive Gidea Park

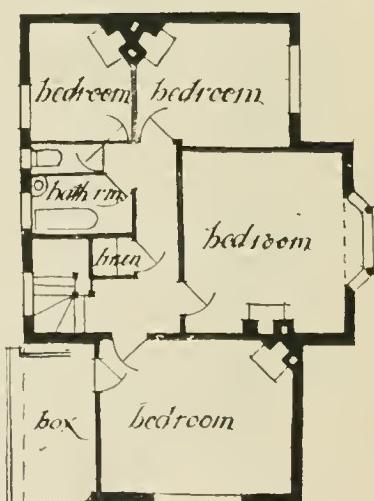




*House in Hampstead Way
Hampstead Garden Suburb*



*F. G. L. Daws
Architect*



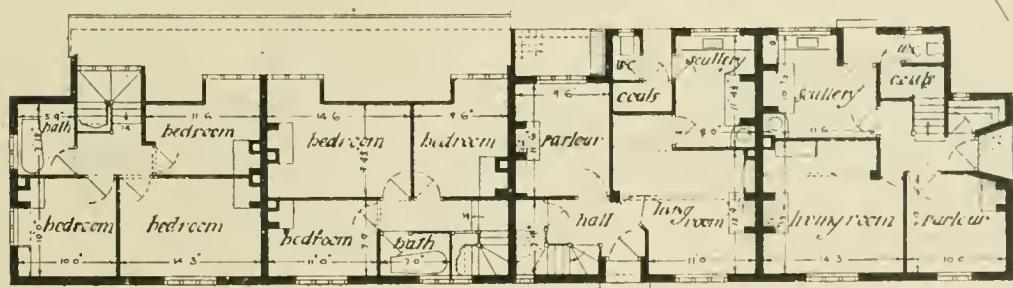
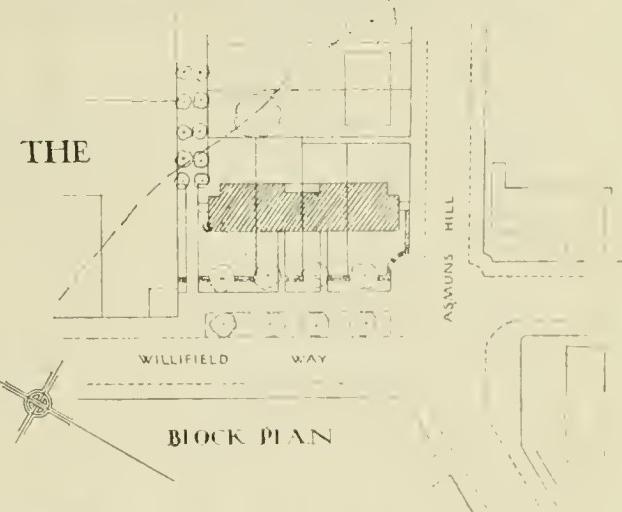
10 5 10 20 30 10 feet



GROUP OF COTTAGES FOR THE
HAMPSTEAD TENANTS LTD ON THE
HAMPSTEAD GARDEN SUBURB

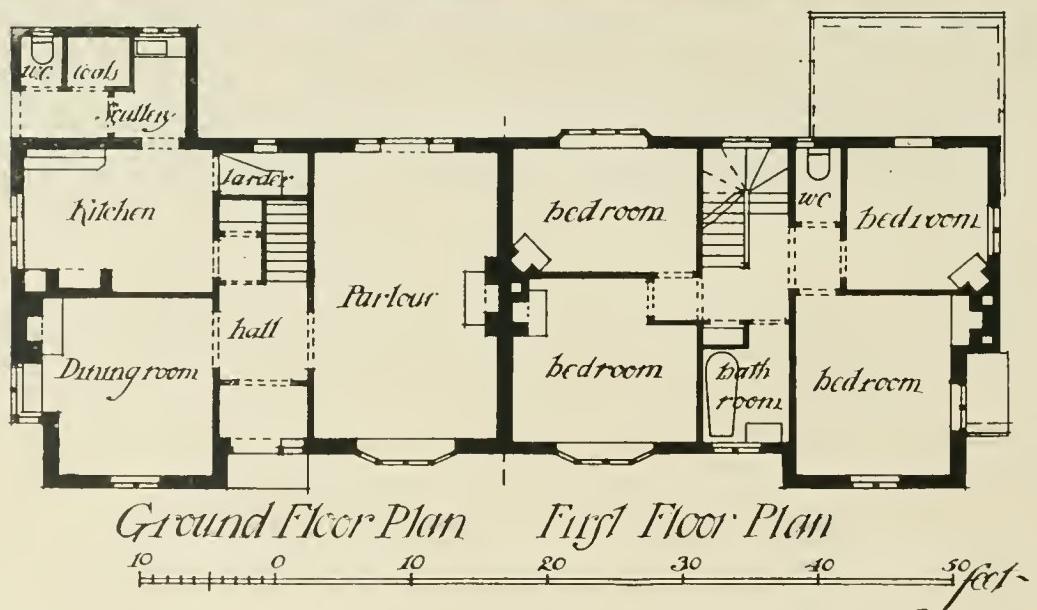
SCALE OF FEET 10' 20' 30' 40' 50' 60'

*Barry Parker & Raymond Unwm
Archts*



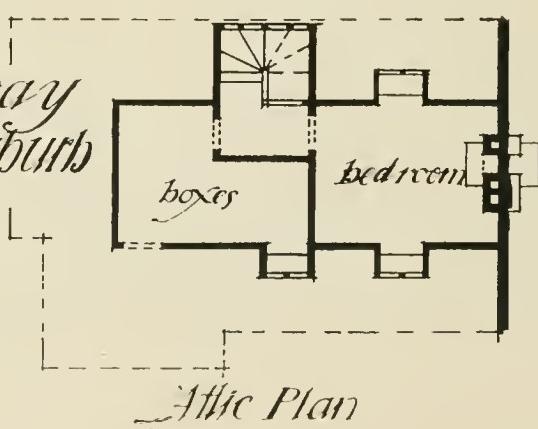
FIRST FLOOR PLAN

GROUND FLOOR PLAN



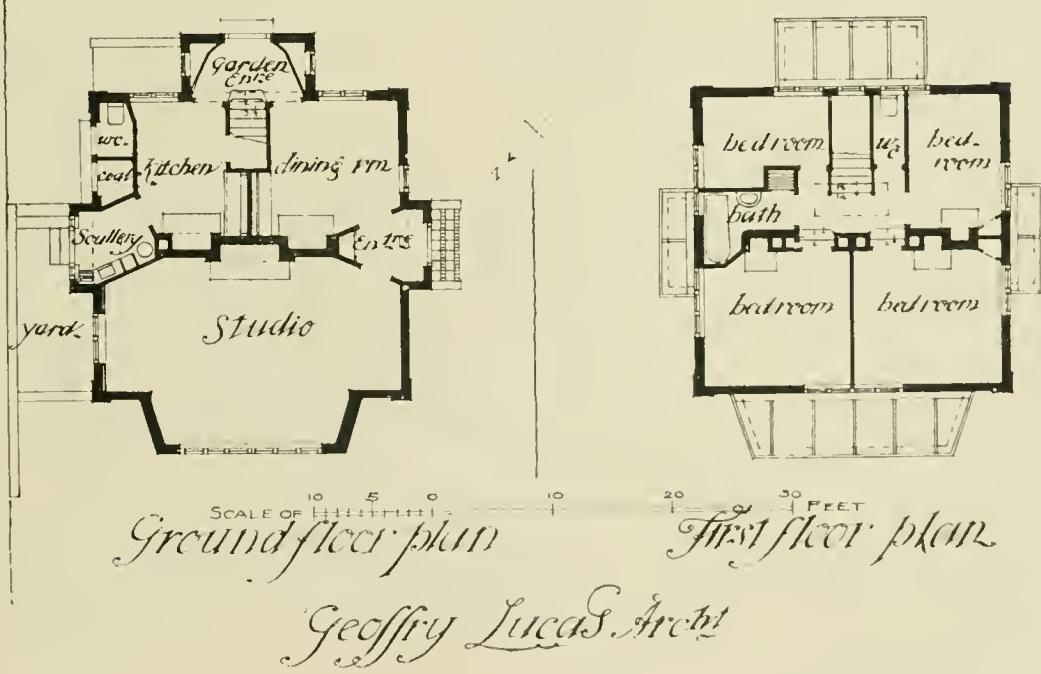
*Houses in Meadway
Hampstead Garden Suburb*

T. McWilson Arch.



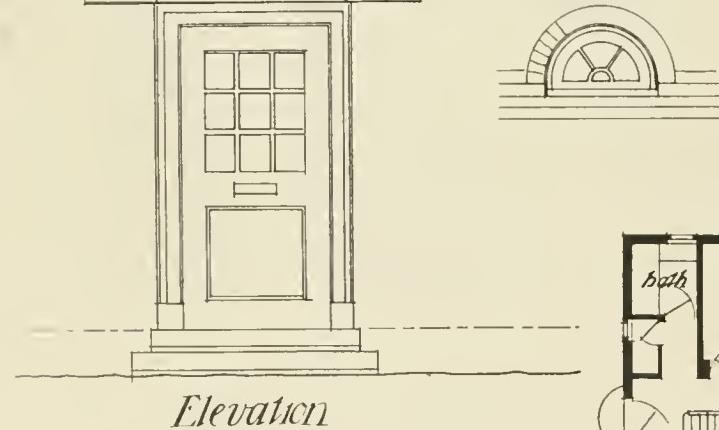
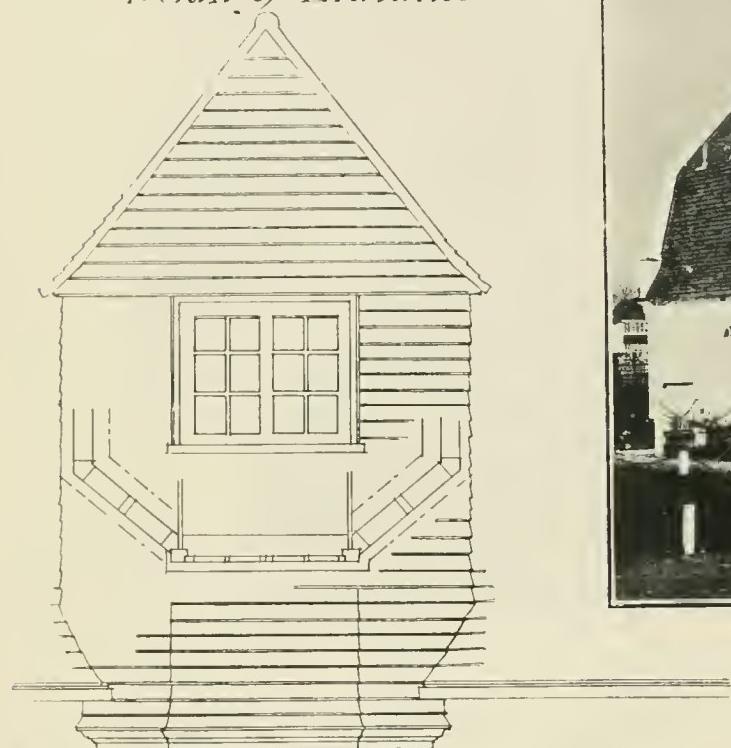


*HOUSE IN BIGWOOD RD
HAMPSTEAD GARDEN SUBURB*



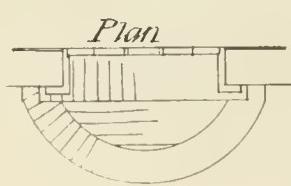
*Cottage in Meadway
Gidea Park*

Detail of Entrance

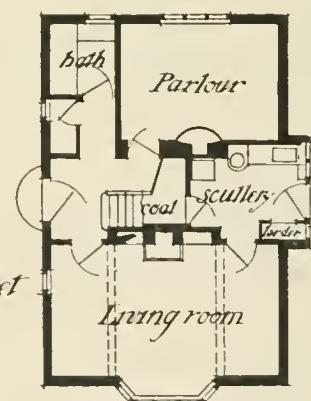


Elevation

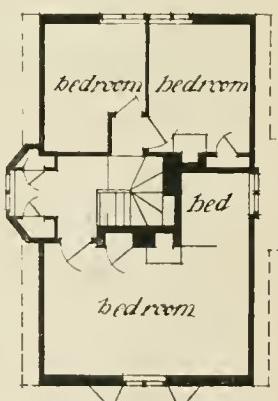
1' 9" 1' 2' 3' 7' 5' 10' feet



Plan



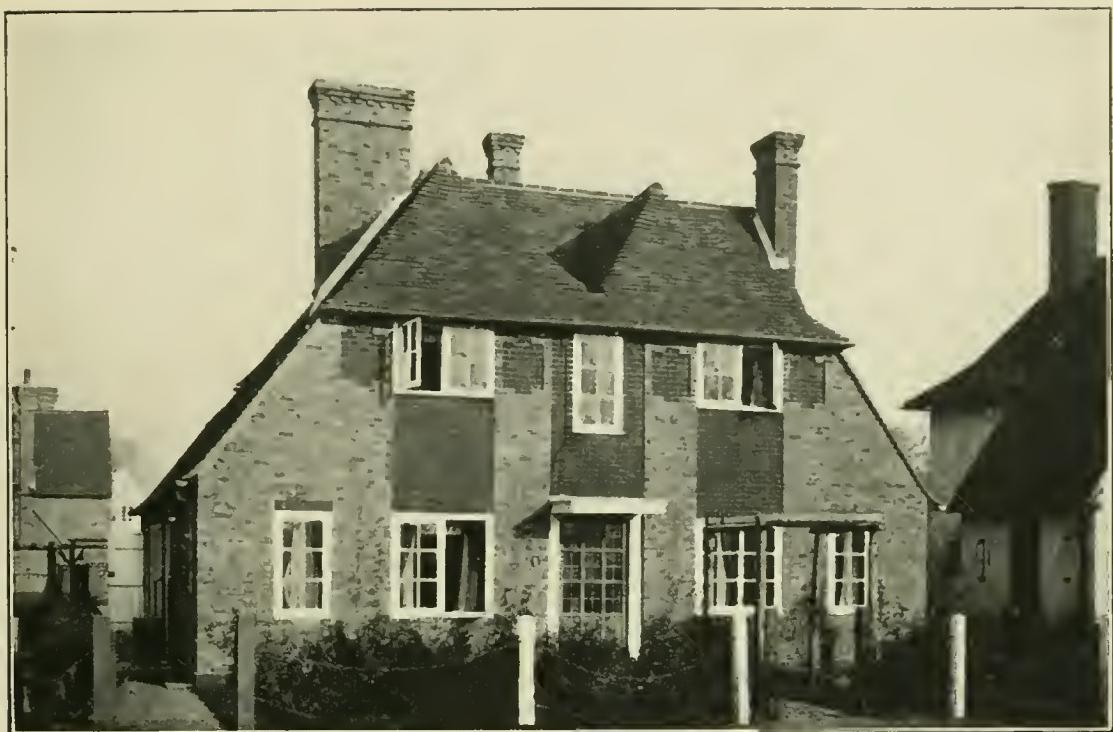
Ground Floor Plan



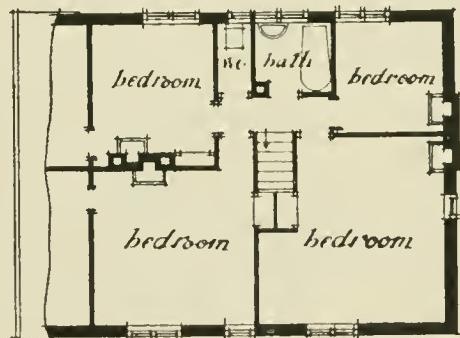
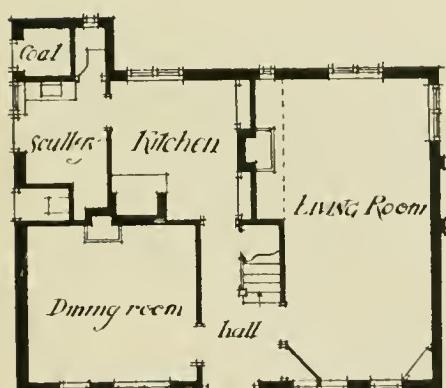
First Floor Plan



*Ernest Willmott
Archt*



House in Parkway Gidea Park.

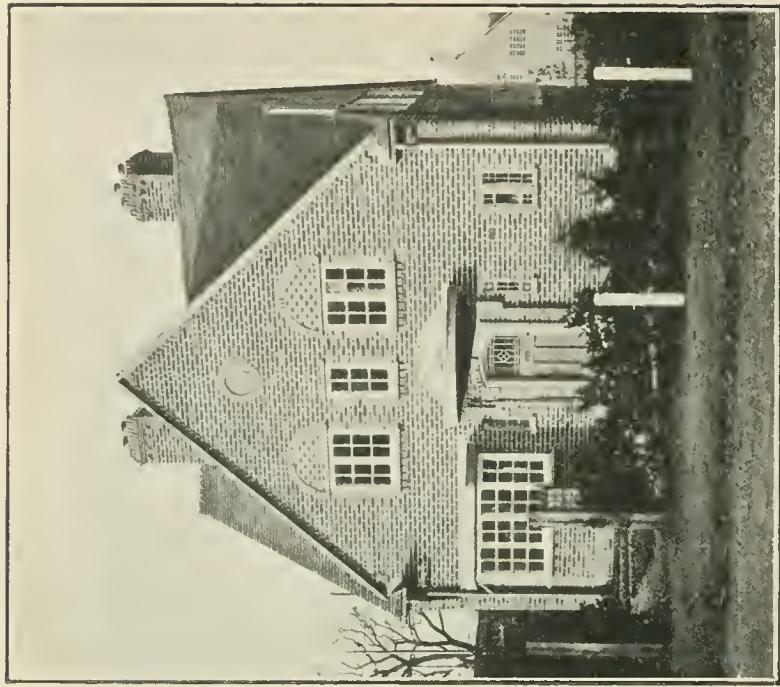


10 10 20 30 feet

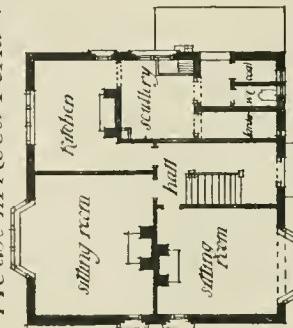
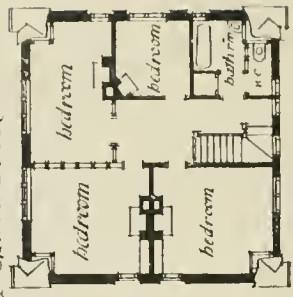
Ground Floor Plan

First Floor Plan

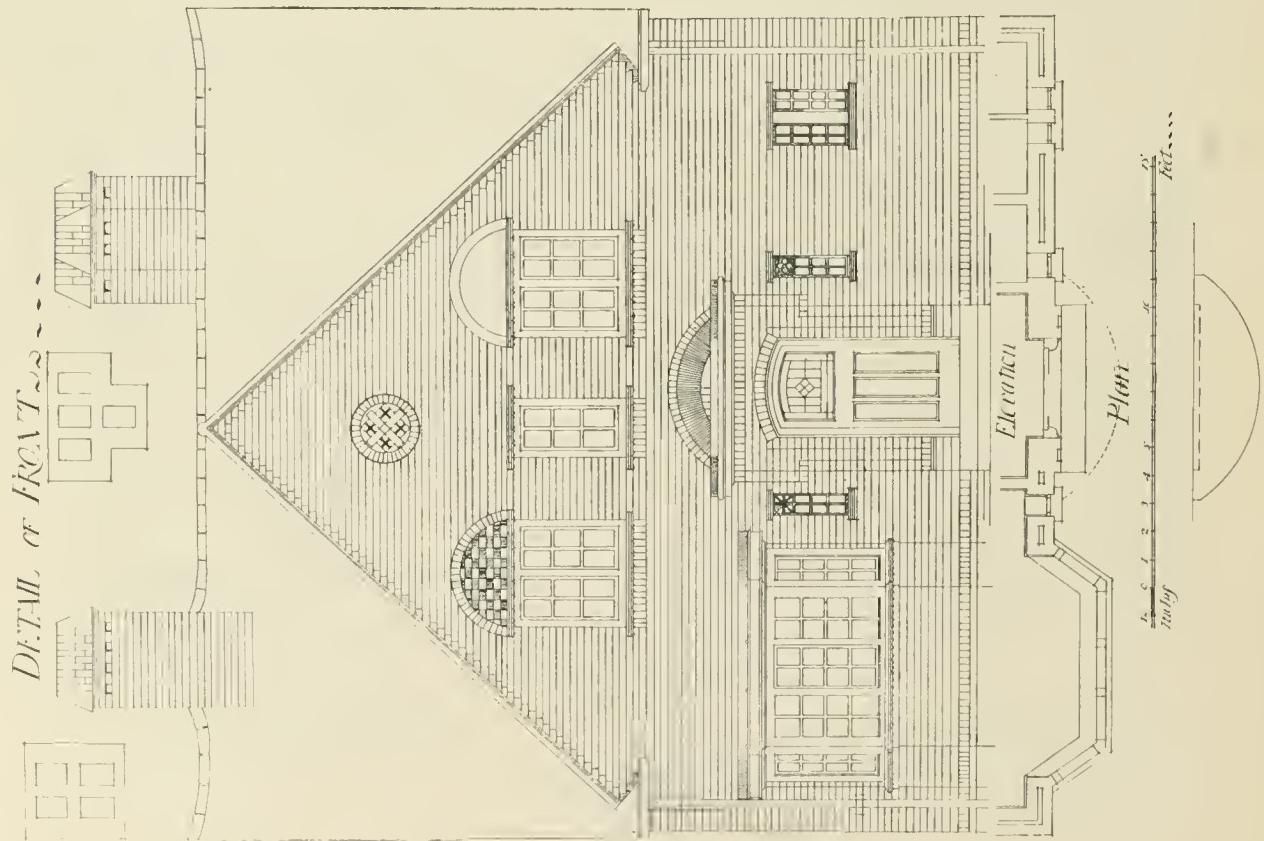
Fair G'MYER
Arch't



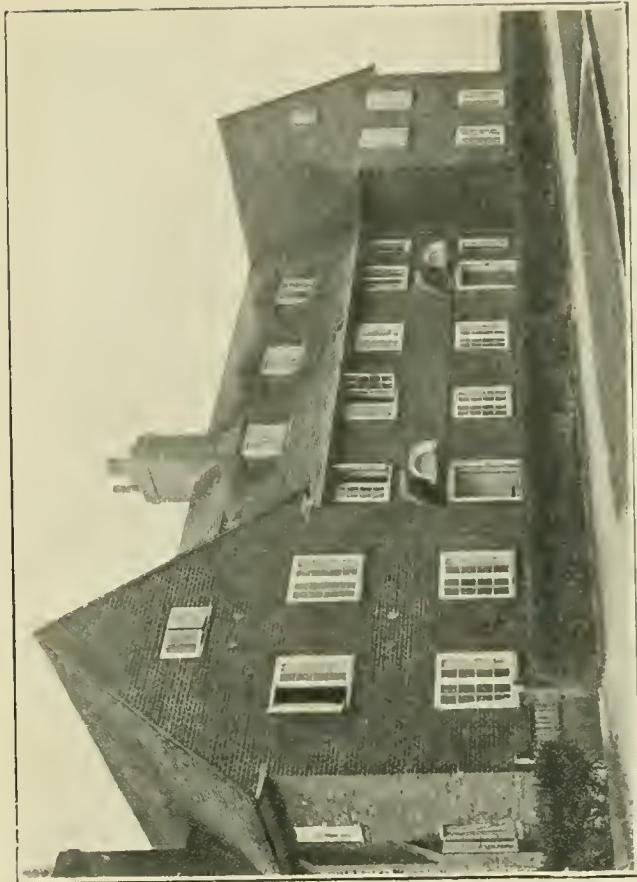
House in Red Pond Walk, Cidra Park



First Floor Plan
Ground Floor Plan
Scale 1:100
Foot
Feet
Inches

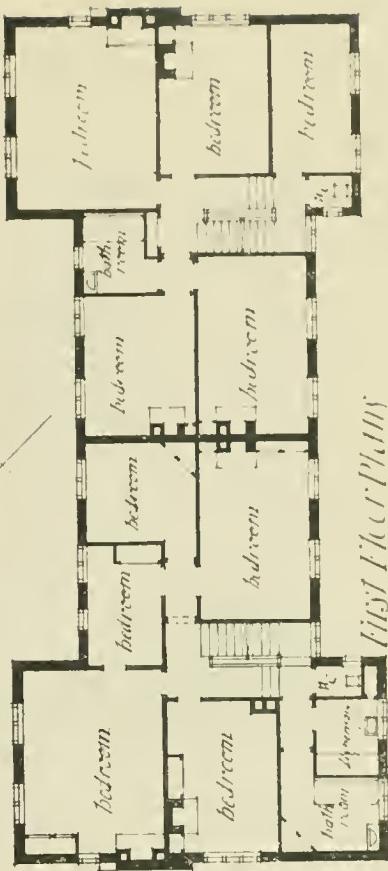
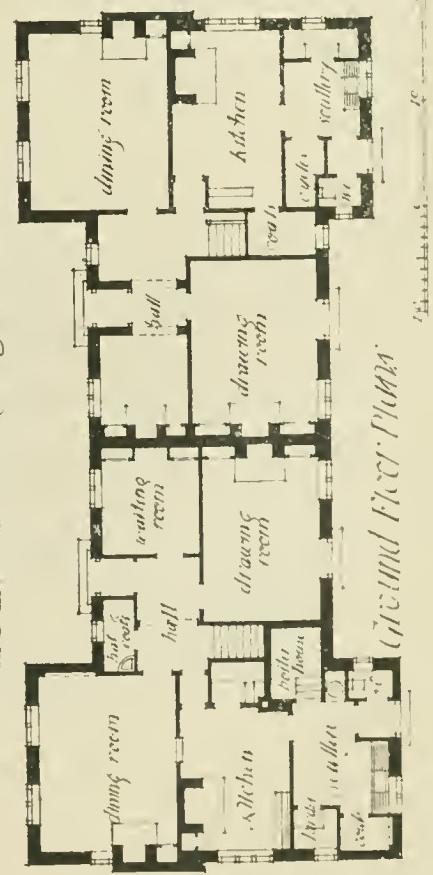
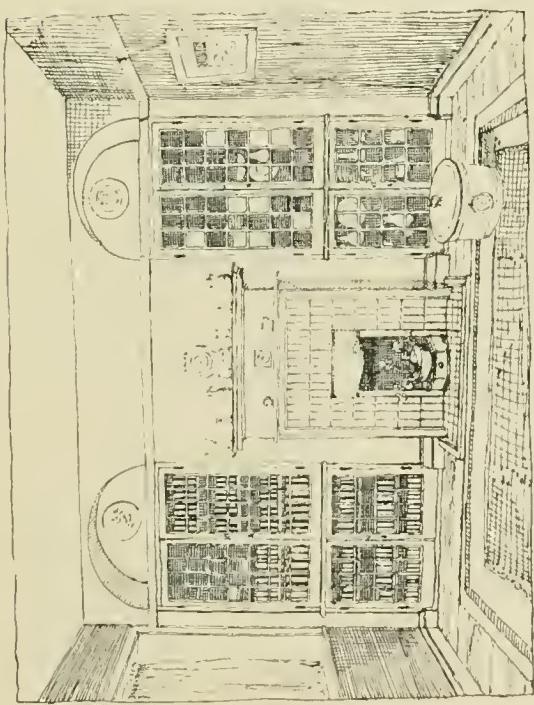


Detail of Front Elevation



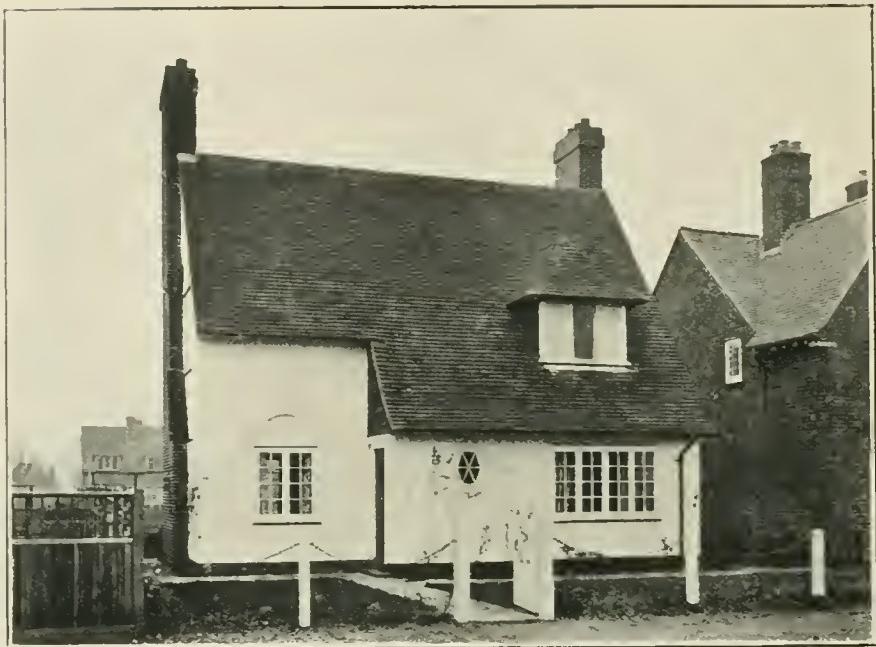
View of Drawing Room

*HOUSES IN HEATH GATE
HAMPSTEAD GARDENS SUBURB*



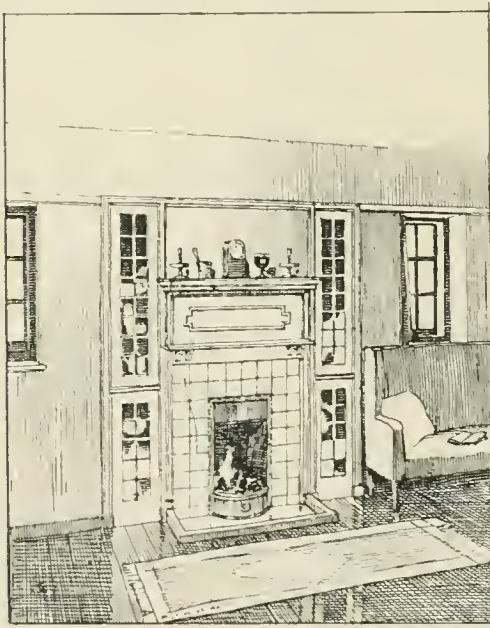
Architect: J. H. C. French

Scale: 1 ft. = 20 ft.

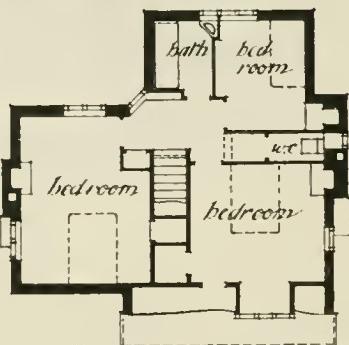


*COTTAGE-MEADWAY
GIDEA PARK*

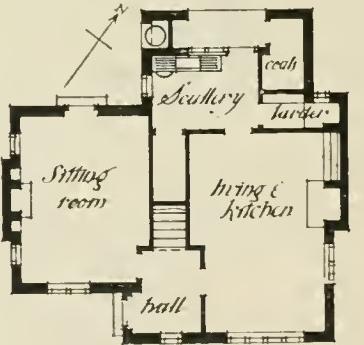
Herbert A Welch Archt.



Living Room Fireplace



First Floor Plan



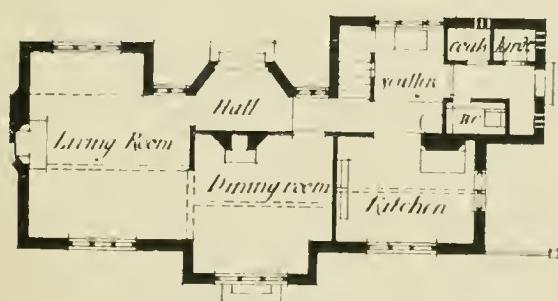
Ground Floor Plan

Scale 10' 20' 30'
' FEET

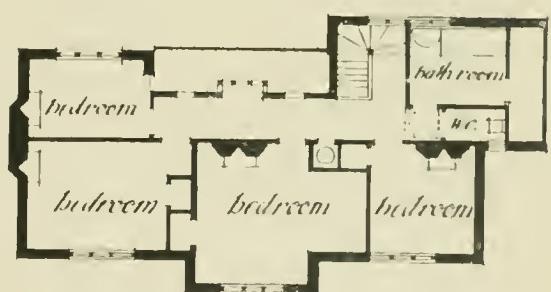


*House in Parkway
Glenelg Park.*

Forbes & Leth Architects.

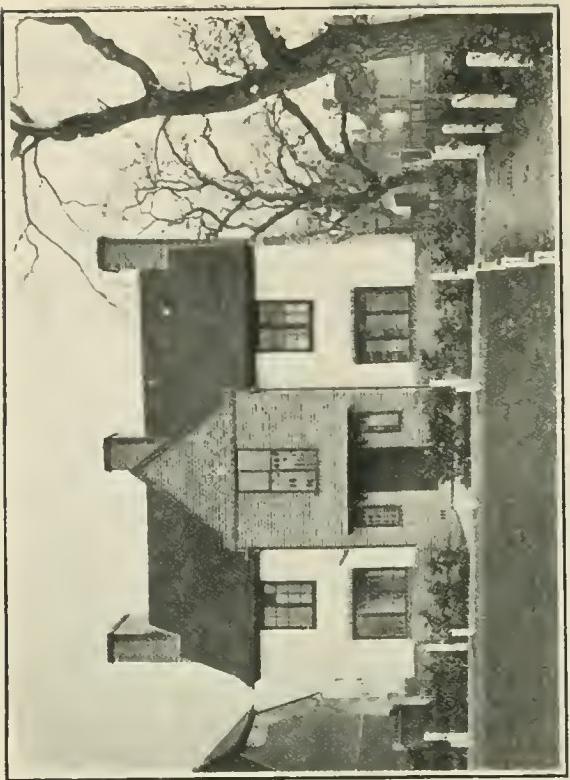


Ground Floor Plan



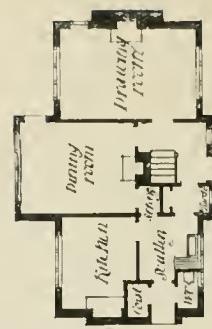
First Floor Plan

10 20 30 30 20
Foot

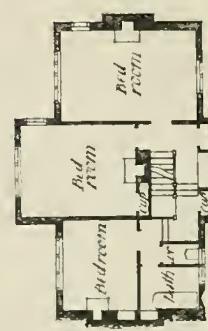


Haus in Rad-Pond-Wath, ~~, Gidea Park

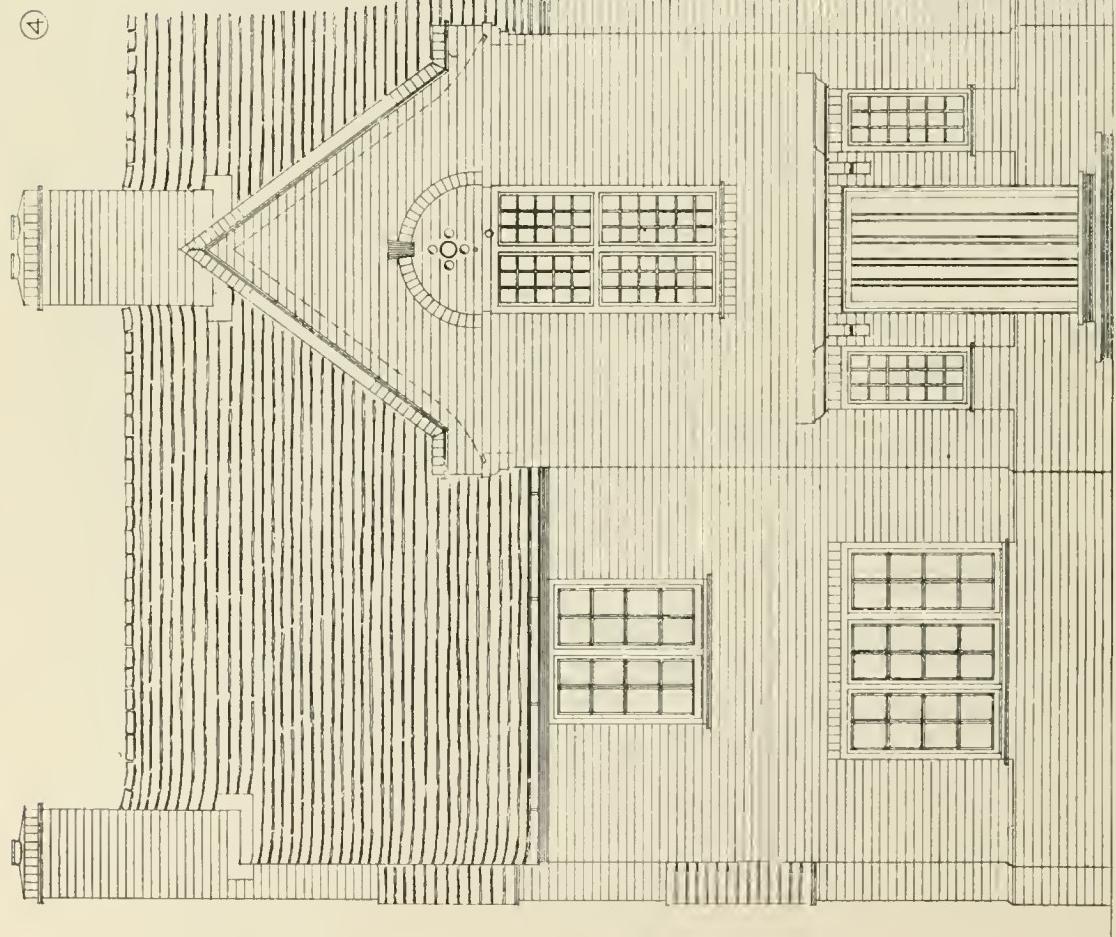
H-Taynghand Moryun Archt



Ground Floor Plan

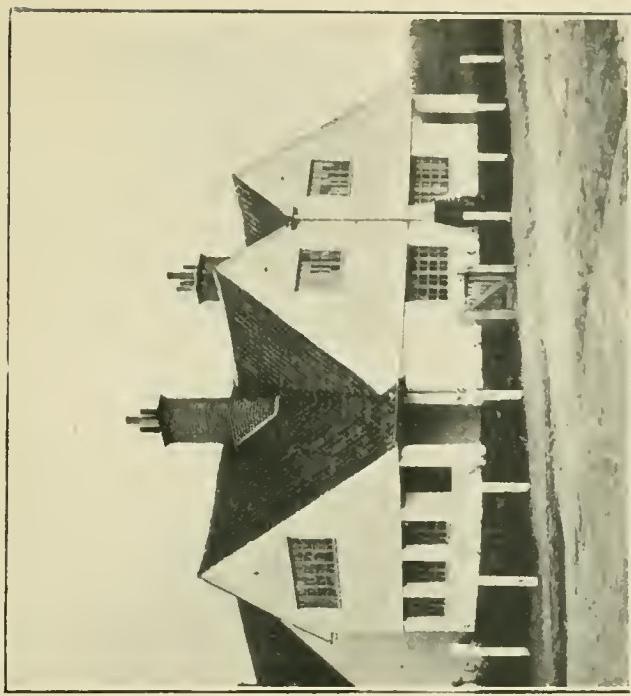


First Floor Plan

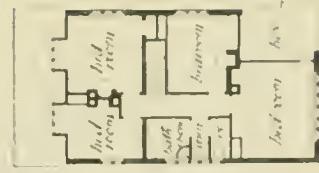


Detail of Villa's Facade

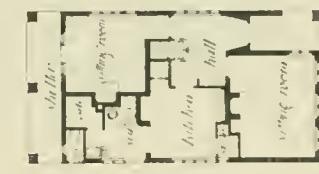
Architect: H. H. Vale



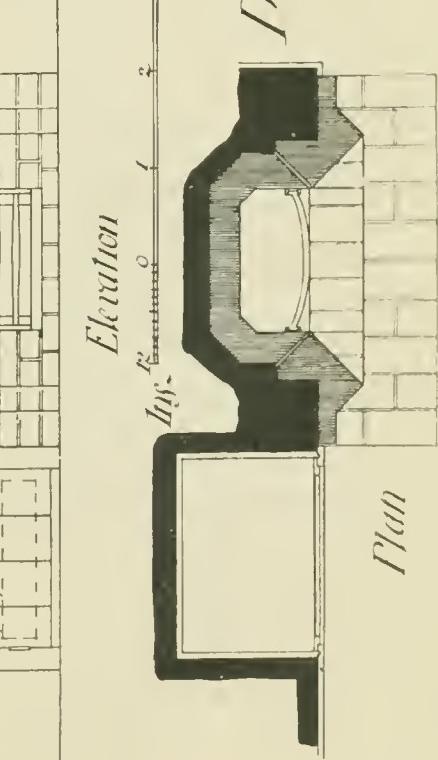
Hausi in Hauhun *Gidua. Punkt.*



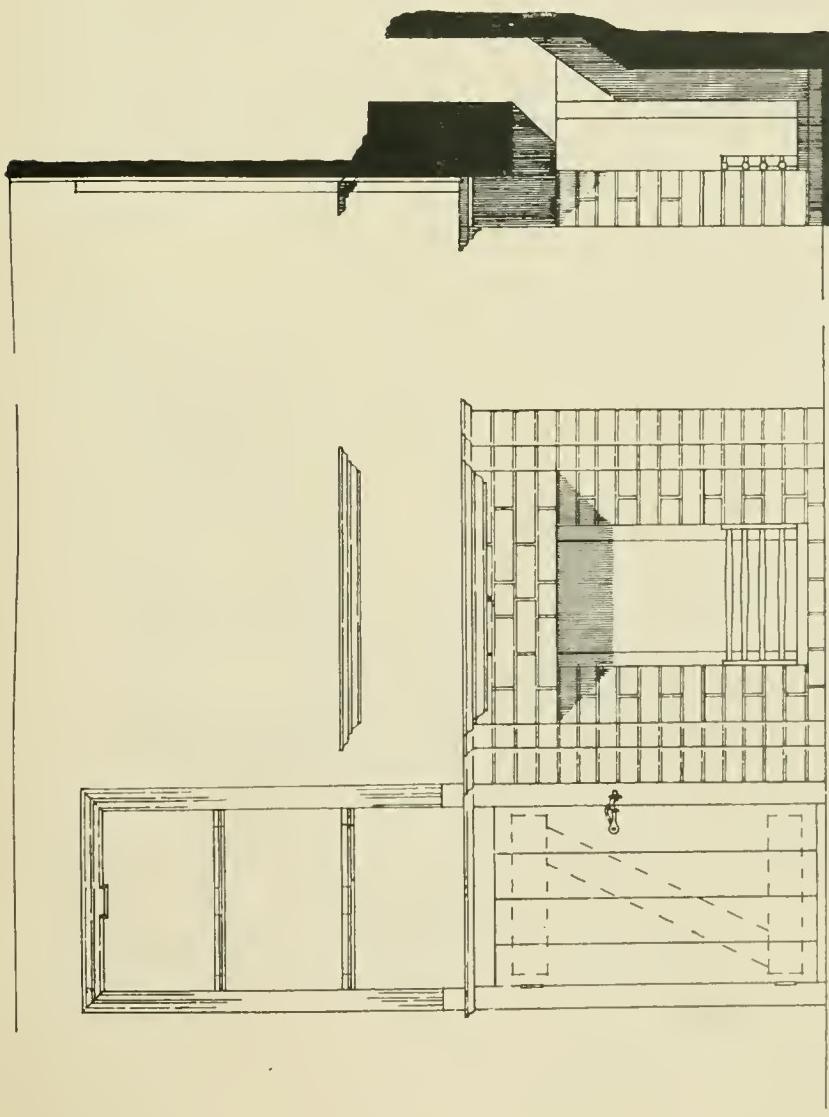
Ernest H. Womack



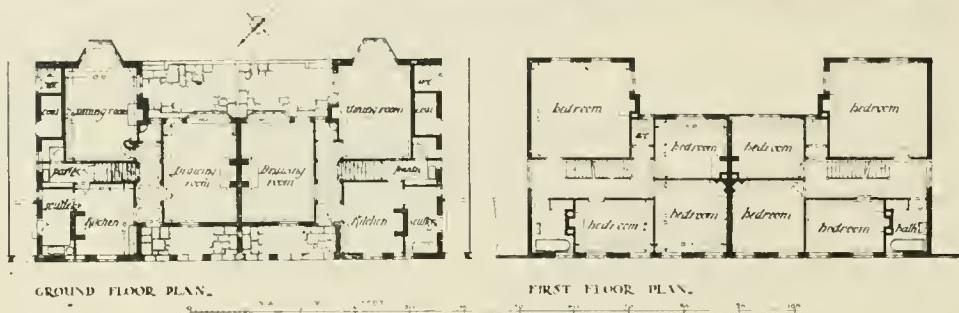
III. *Sitting Room*



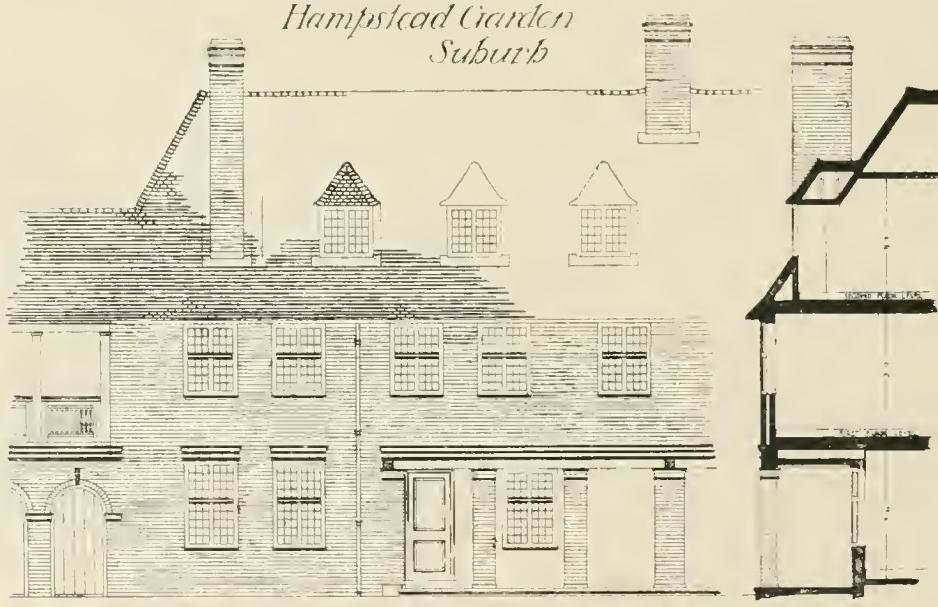
Elevation *0* *1* *2* *3* *4* *5* *6* *7* *8* *9*



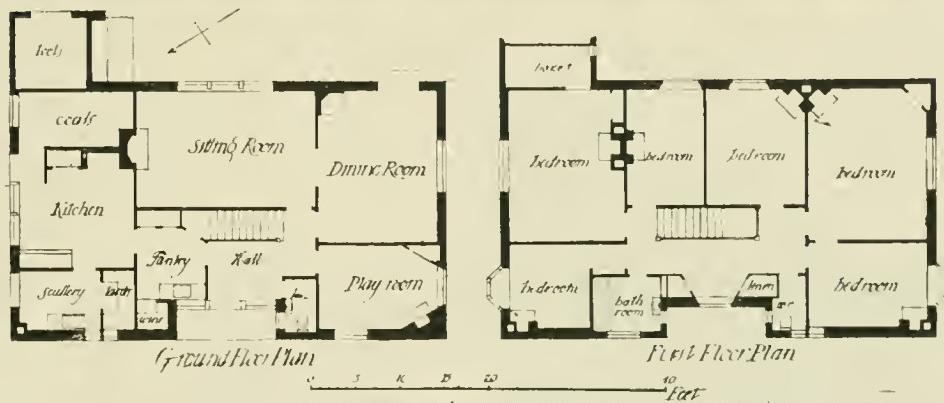
-11



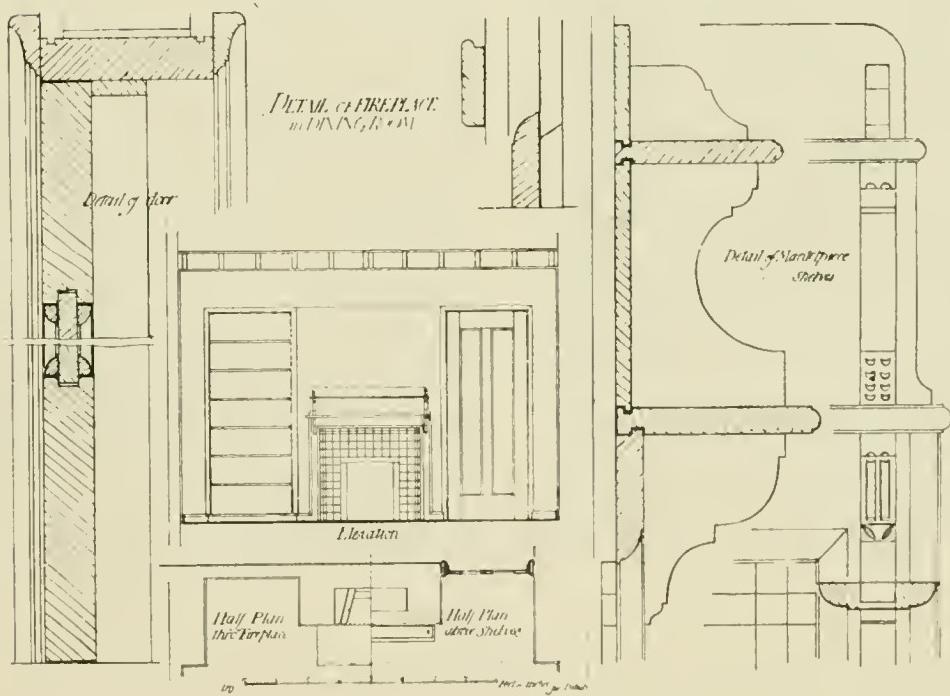
*Pair of Houses in Heath Close
Hampstead Garden Suburb*



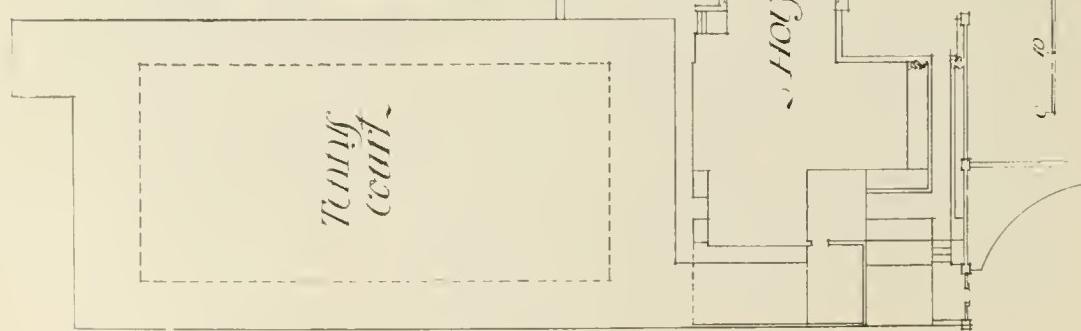
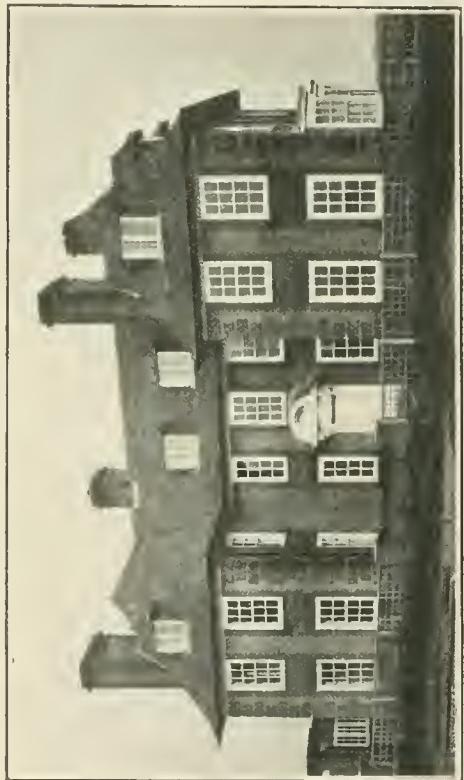
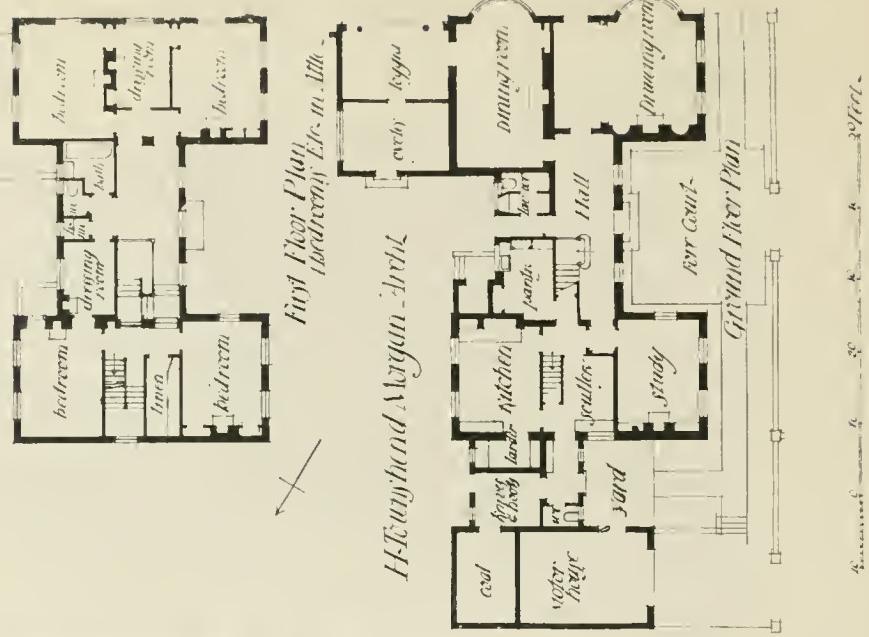
Barry Parker &
Raymond Unwin
Archts

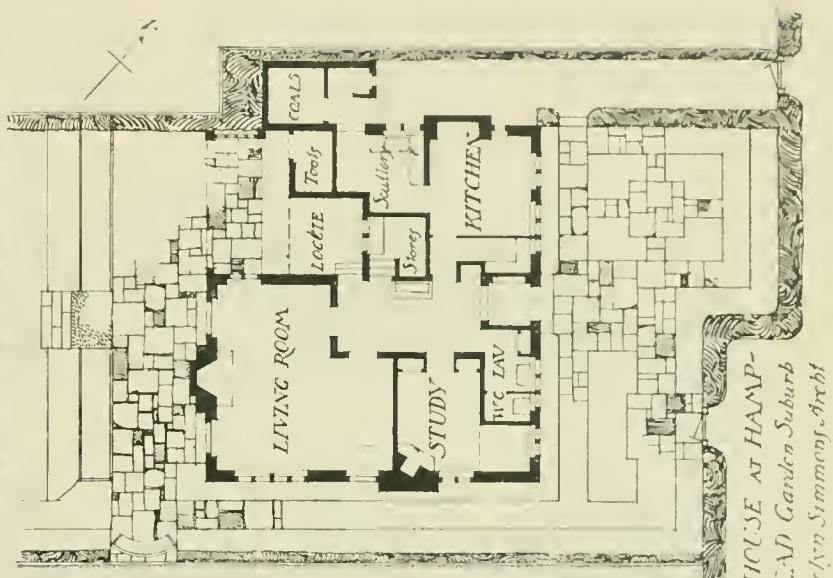
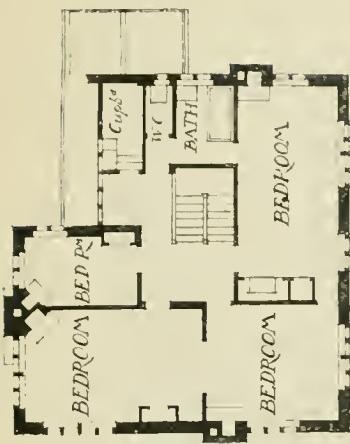


HOUSE IN MEADWAY HAMSTEAD GARDEN SUBURB

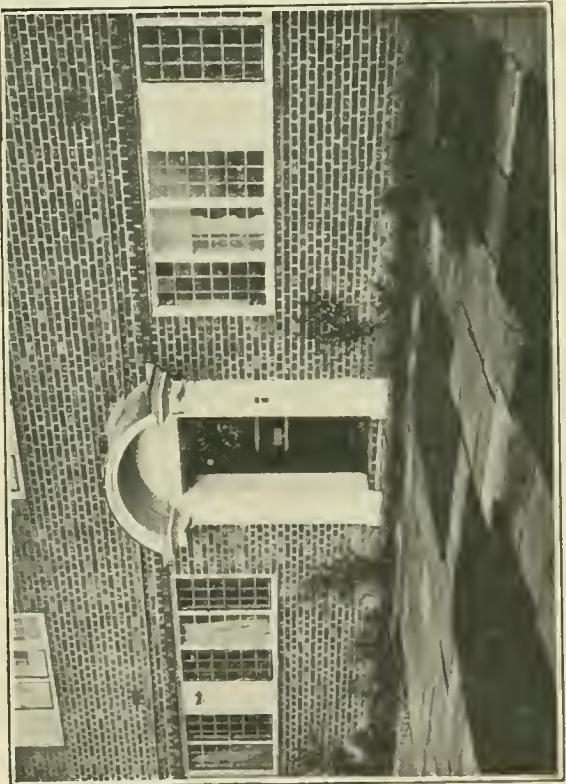
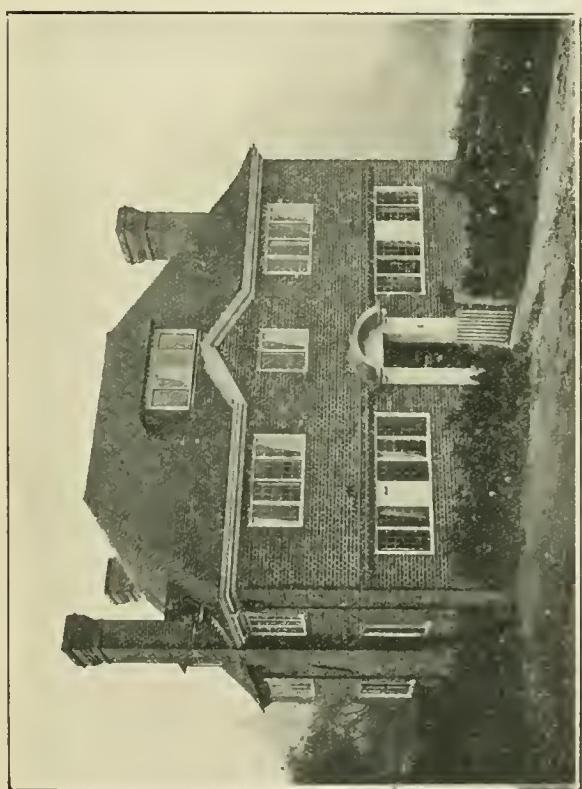


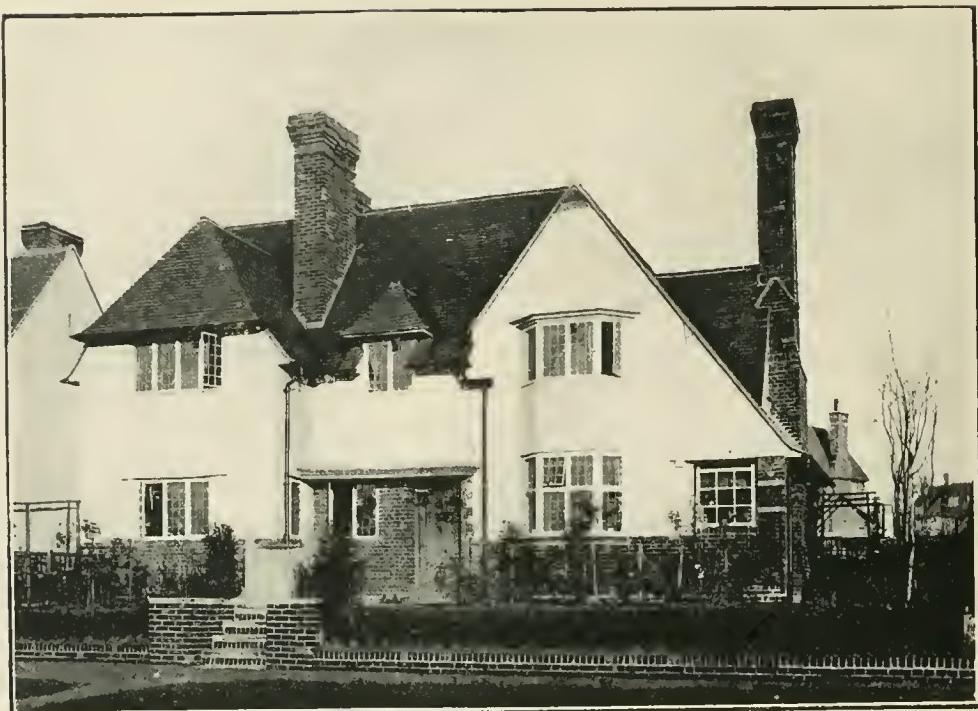
*House in Hatfield
Huntingdonshire.*





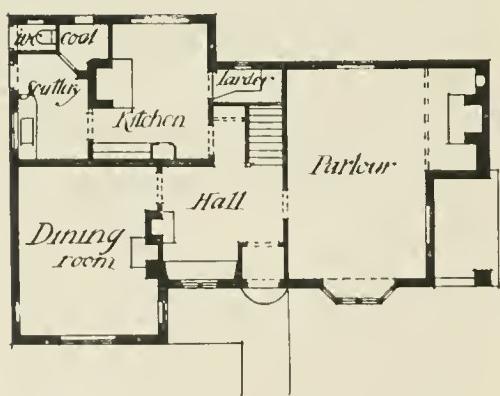
HOUSE AT HAMP,
SIXTY Garden Suburb
Evelyn Simmons, architect



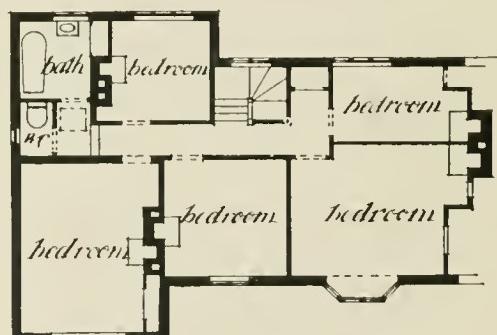


*HOUSE IN WILDHATCH-HAMPSTEAD GARDEN
SUBURB*

F.M. Wilson
Archt.



Ground Floor Plan

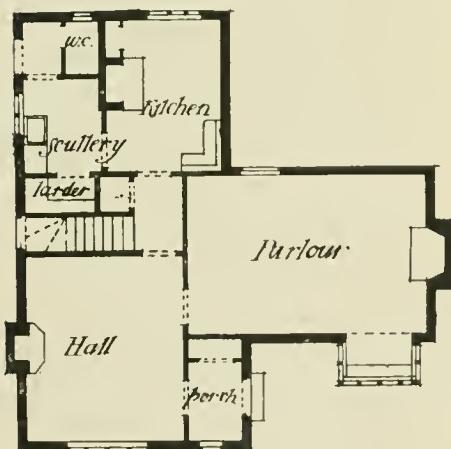


First Floor Plan

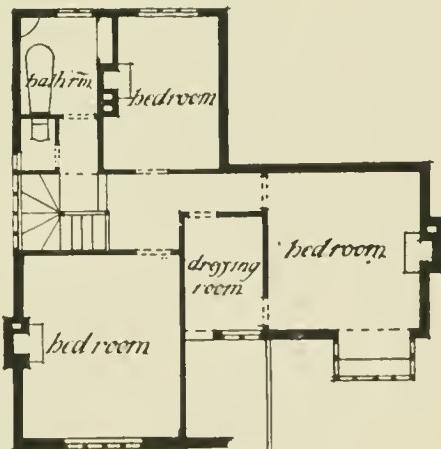
10 20 30 40 50 Feet.



*House in Hampstead Way
Hampstead Garden Suburb*

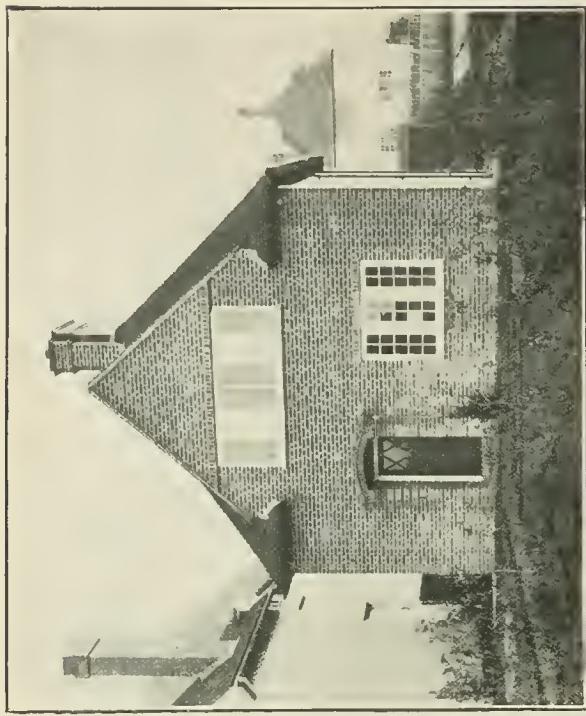


Ground Floor Plan

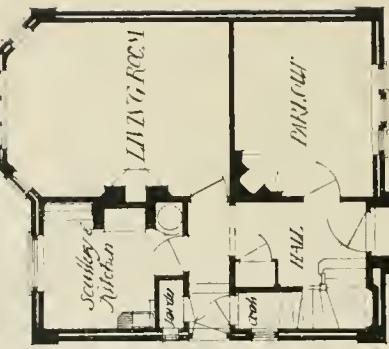


First Floor Plan

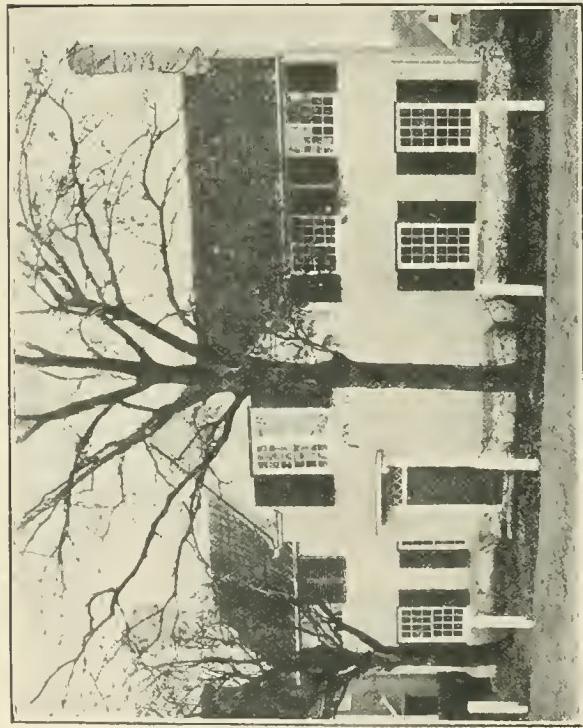
10 0 10 20 30 feet T. W. Wilson Architect



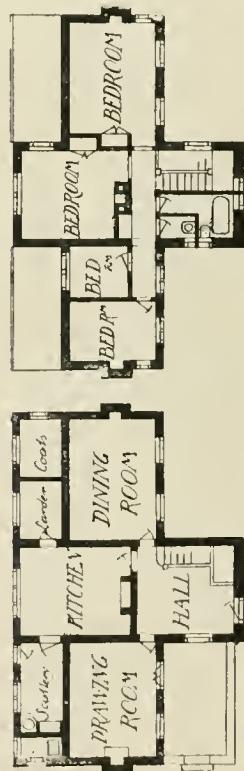
HULL RIVERBRIDGE R²
GIDEA PARK



Ground floor plan
HULL RIVERBRIDGE R²
GIDEA PARK



HULL R. REED POND WALK
GIDEA PARK



A. Randall White
Architect
Ground floor plan
HULL R. REED POND WALK
GIDEA PARK

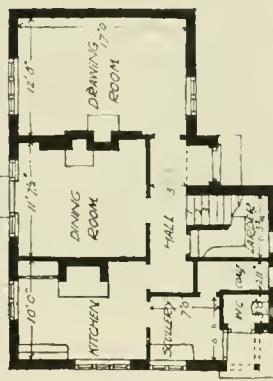


FIRST FLOOR PLAN.

Scale of One foot to four feet.

COTTAGES AT GIDEA PARK, ROMFORD.

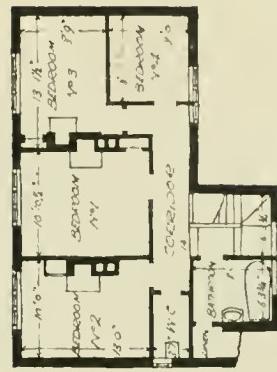
JONES, PHILLIPS, AND WHITBY, ARCHITECTS



GROUND PLAN.

Scale of One foot to four feet.

FIRST FLOOR PLAN.



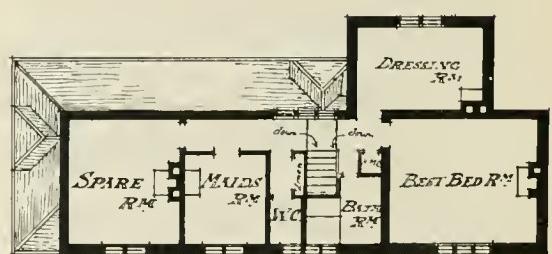
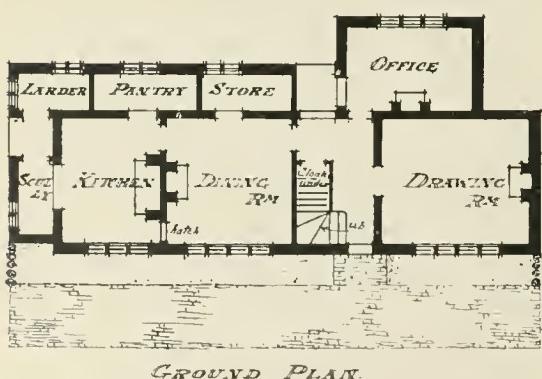
FIRST FLOOR PLAN.

Scale of One foot to four feet.



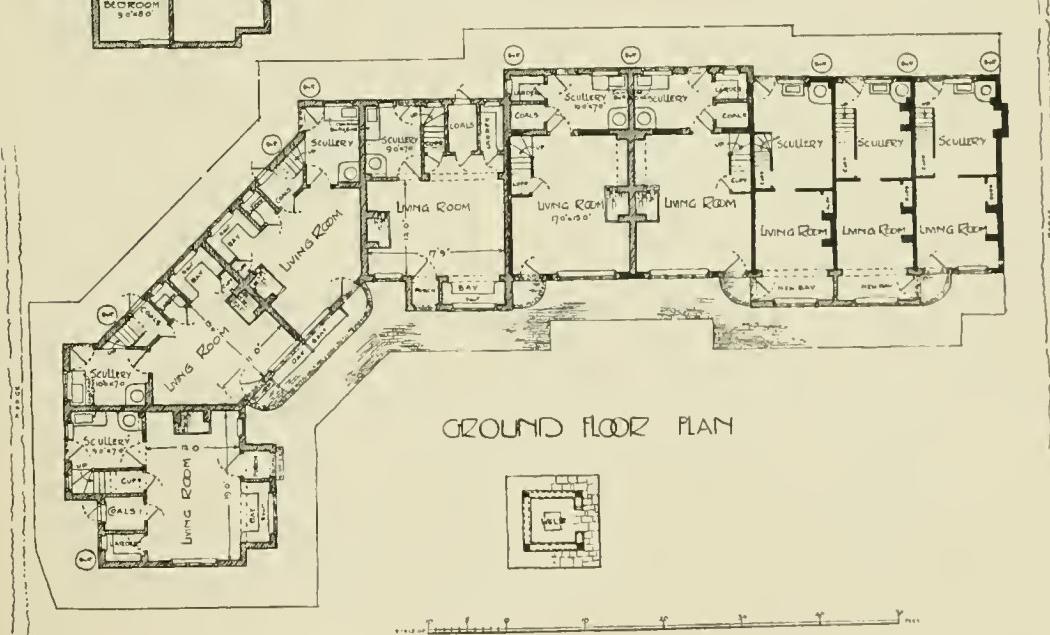
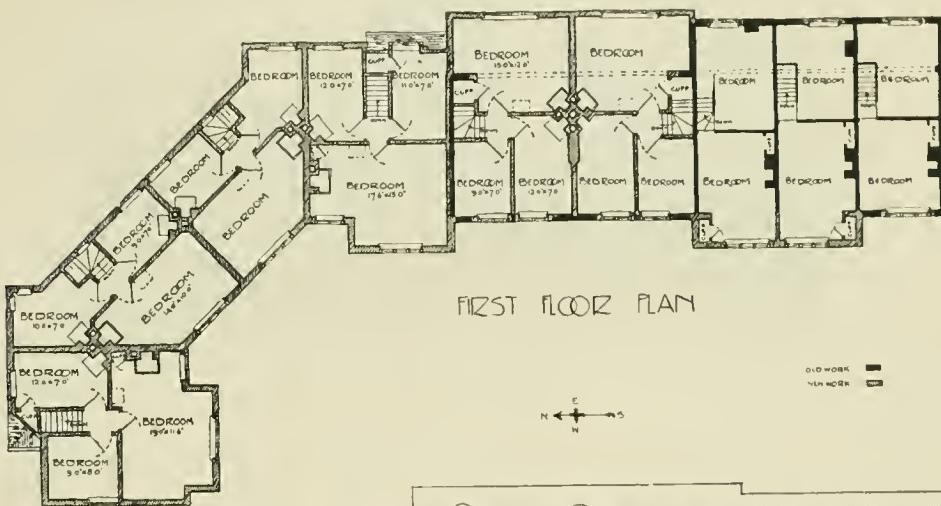
COTTAGE at

DENHAM, BUCKS



Scale 10 5 0 10 20 of Feet

Francis Bacon, Archt.

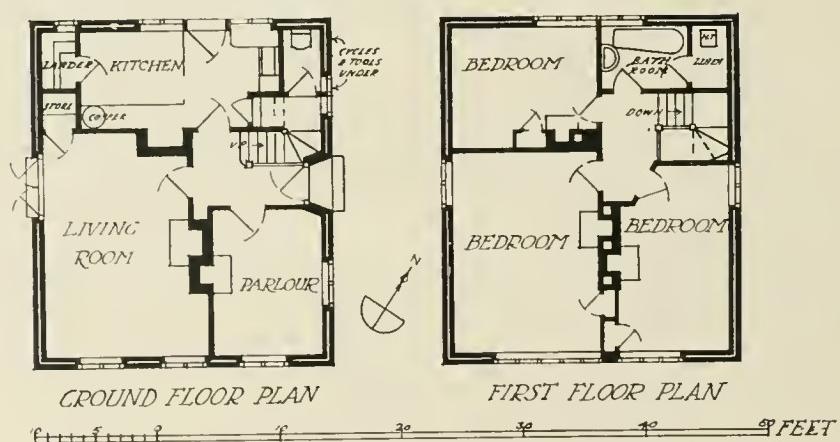


COTTAGES AT BALNEATH MANOR, NEAR LEWES, SUSSEX.

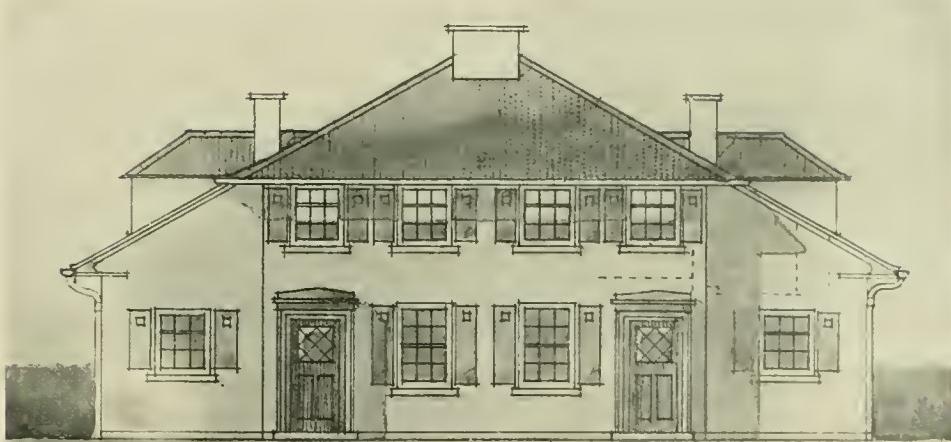
HEDLEY AND DOUGLAS POLLOCK, Lic.R.I.B.A., ARCHITECTS.



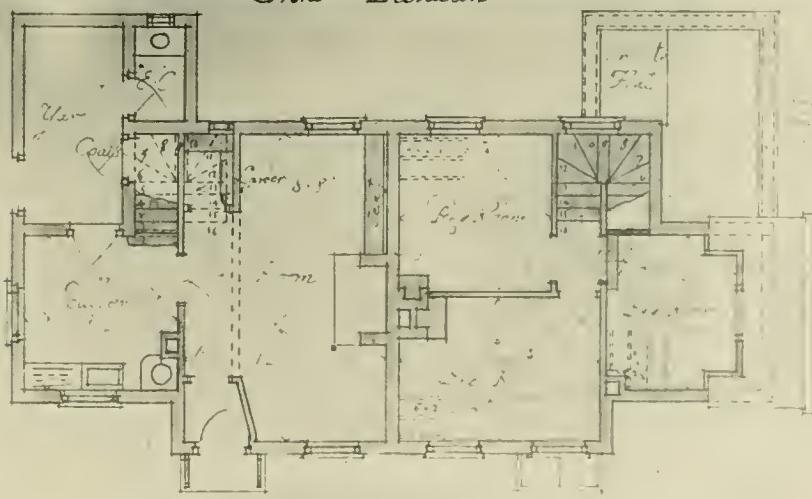
*COTTAGE at BOREHAM WOOD,
HERTS*



Edwin Gunn, Archt.



Front Elevation



Ground Floor Plan

First Floor Plan

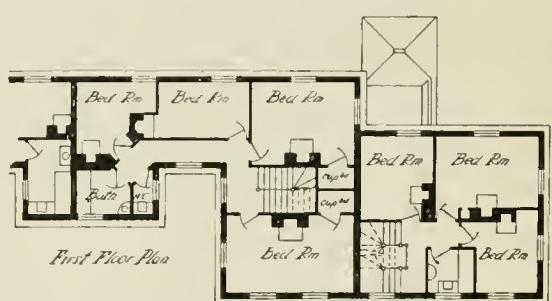
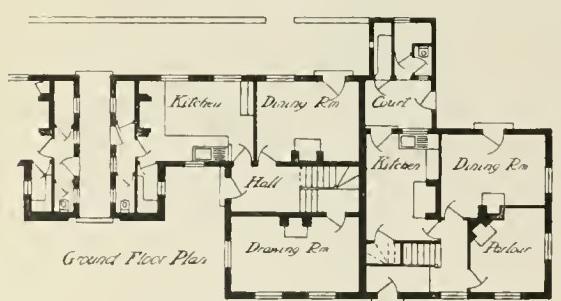
COTTAGES AT MOULDSWORTH, NEAR CHESTER.

PATRICK ABERCROMBIE, ARCHITECT.



*HOUSES IN ERSKINE HILL
HAMPSTEAD GARDEN SUBURB*

E. L. LUTYENS, FRIBA, ARCHT.

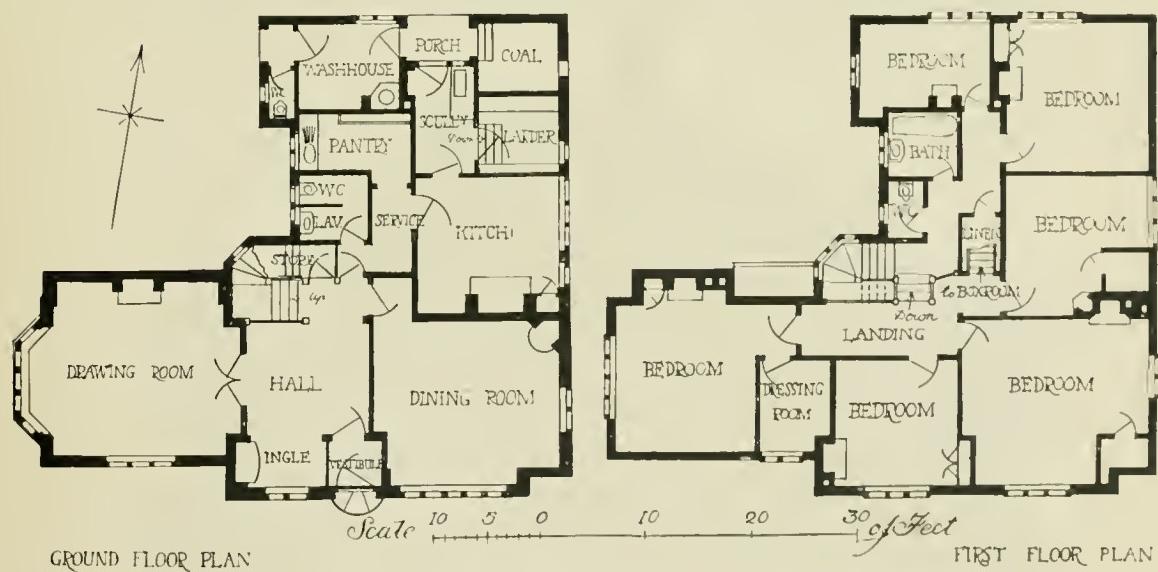


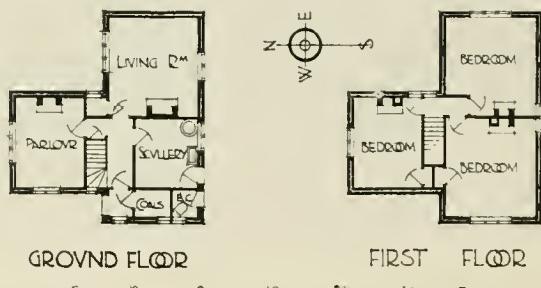
Scale 10 5 0 10 20 30 40 50 feet



HOUSE at HALE, CHESHIRE.

FRANK B. DUNKERLEY, FRIBA., ARCHIT.

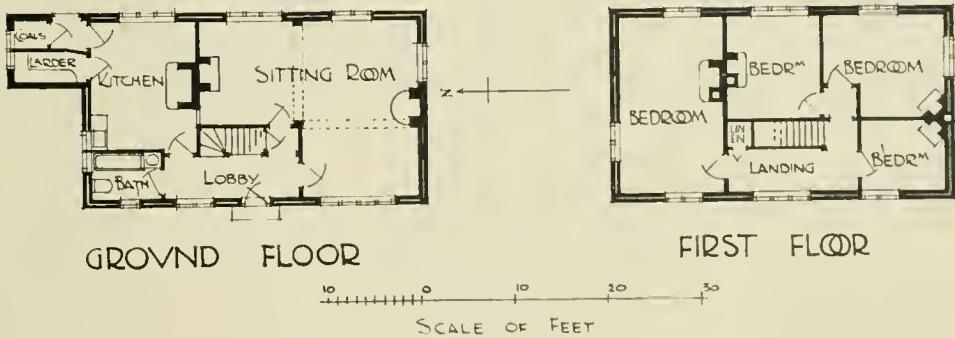




GARDENER'S LODGE, OXFORD. CLOUGH WILLIAMS-ELLIS, ARCHITECT.

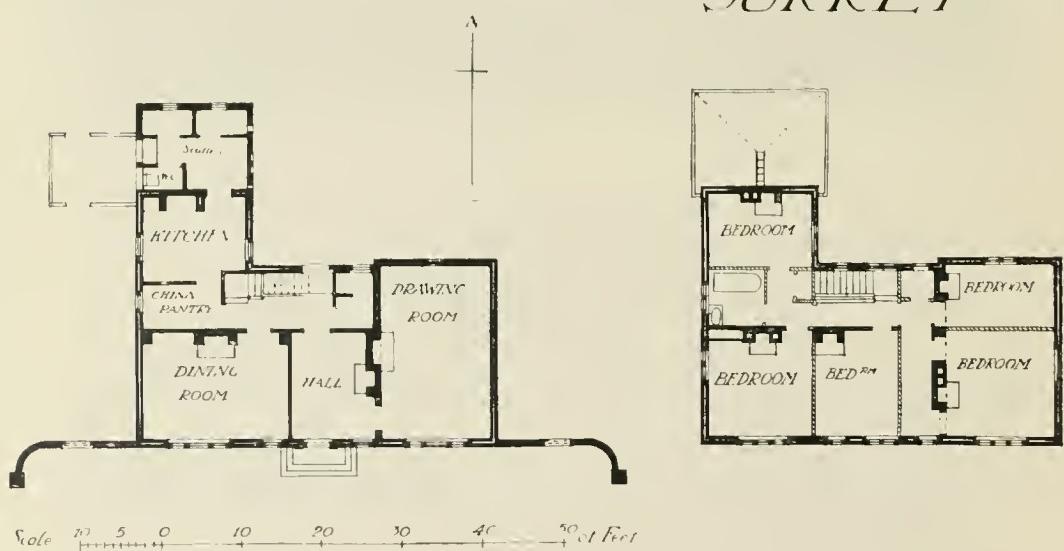


LARKESBEARE "near OXFORD
Clough Williams-Ellis, Archl.

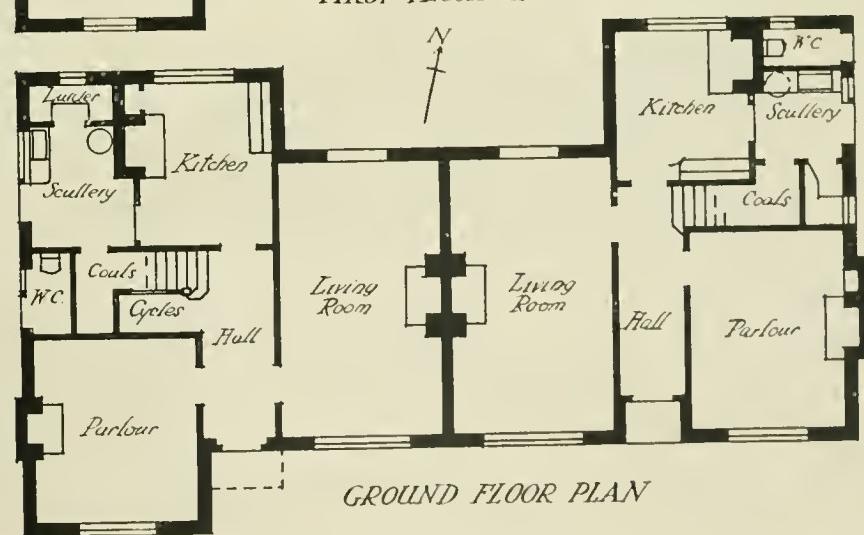
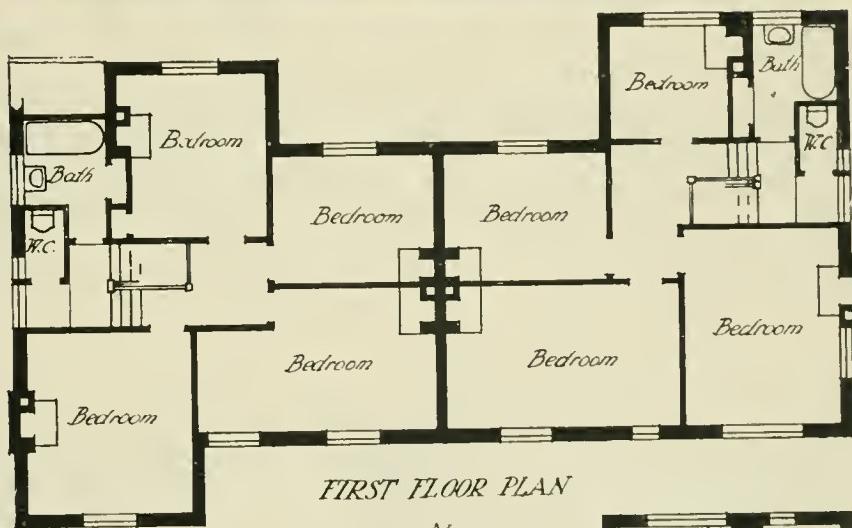




*HOUSE AT ESHER PARK,
SURREY*

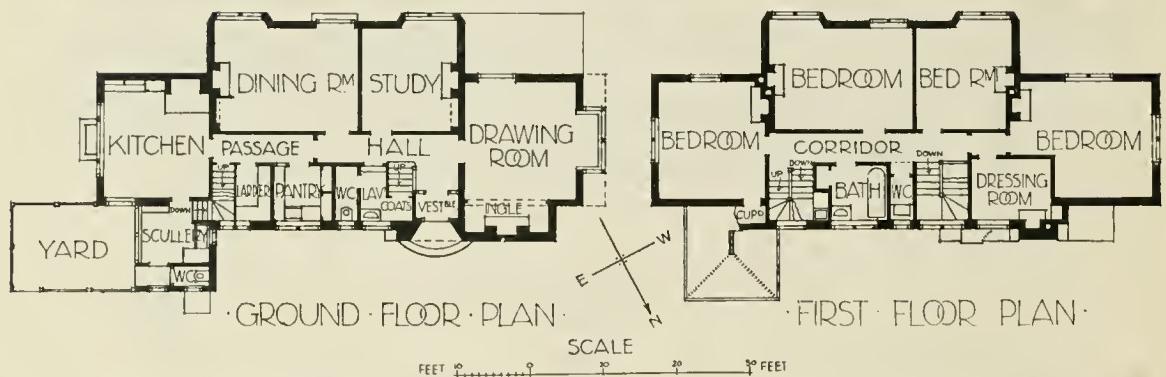


*GEOFFREY LUCAS, FRIBA, and
ARTHUR LODGE, ARIBA, Archts.*

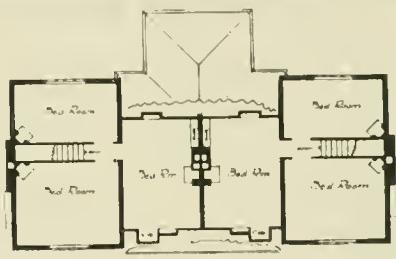
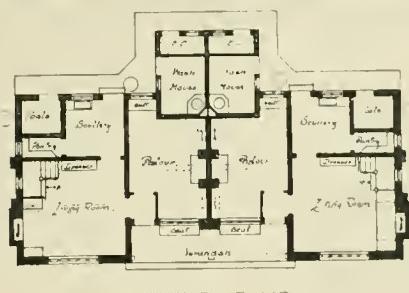


Scale 10 10 10 20 30 40 50 feet

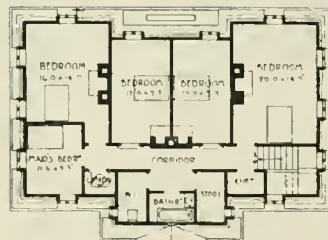
COTTAGES AT RUISLIP. EDWIN GUNN, A.R.I.B.A., ARCHITECT.



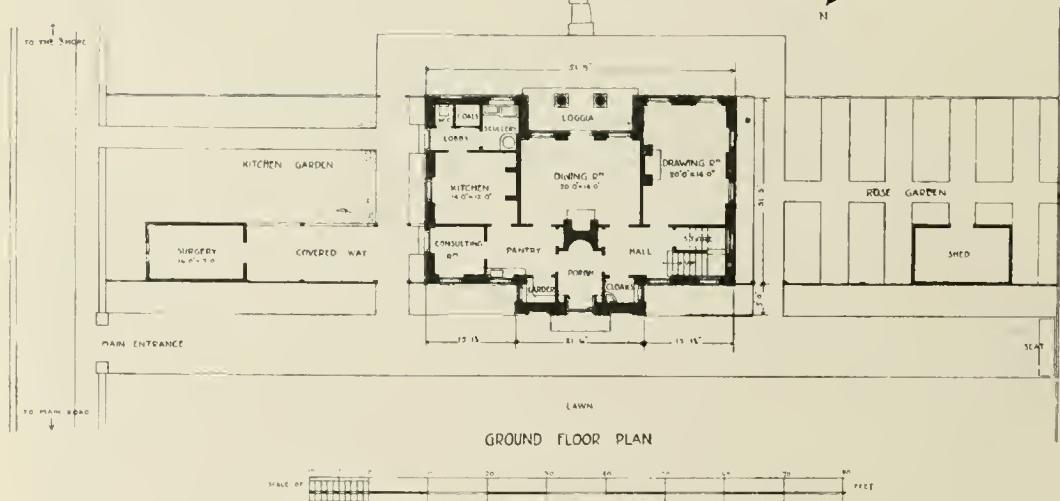
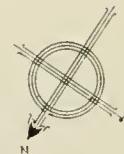
"SEATON HOUSE," CAMBERLEY, SURREY. H. R. AND B. A. POULTER, ARCHITECTS.



COTTAGES AT BERKSWELL, WARWICKSHIRE. C. M. C. ARMSTRONG, ARCHITECT.

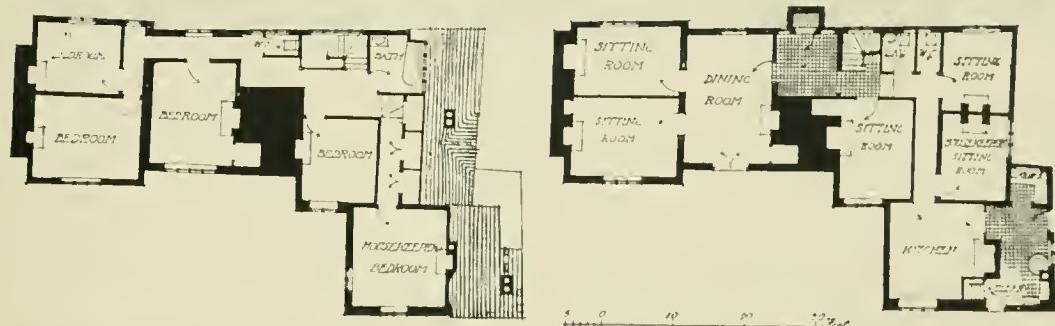


FIRST FLOOR PLAN



GROUND FLOOR PLAN

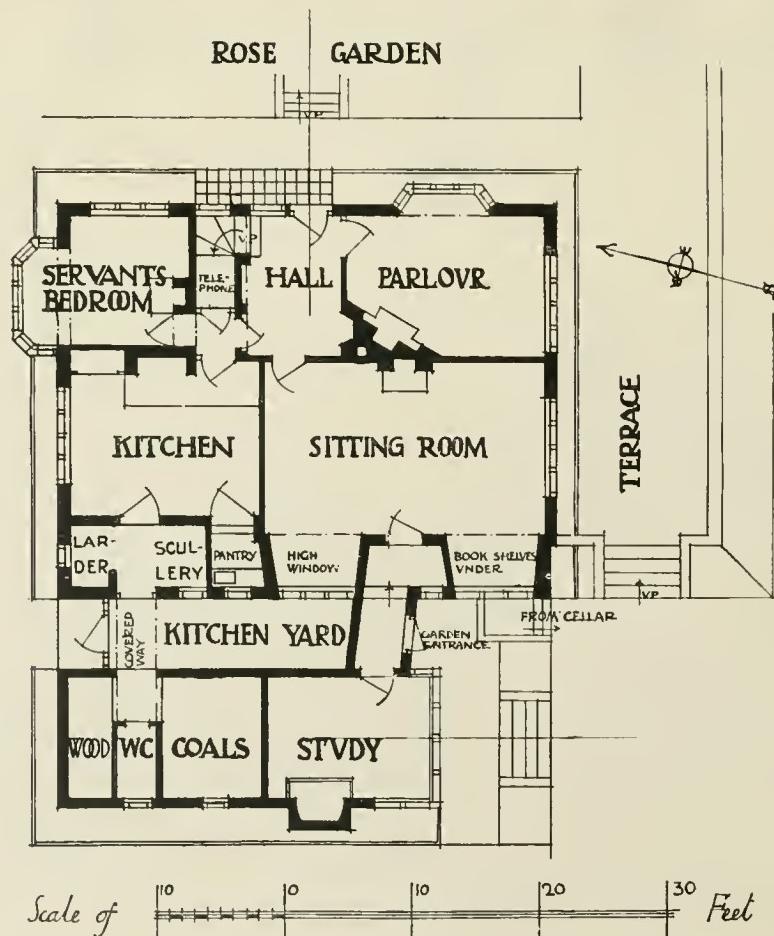
HOUSE AT ABERSOCH, CARNARVONSHIRE. WILLIAM WANDS, ARCHITECT.



"THE GROVE," MILL HILL, MIDDLESEX. STANLEY HAMP, A.R.I.B.A., ARCHITECT.

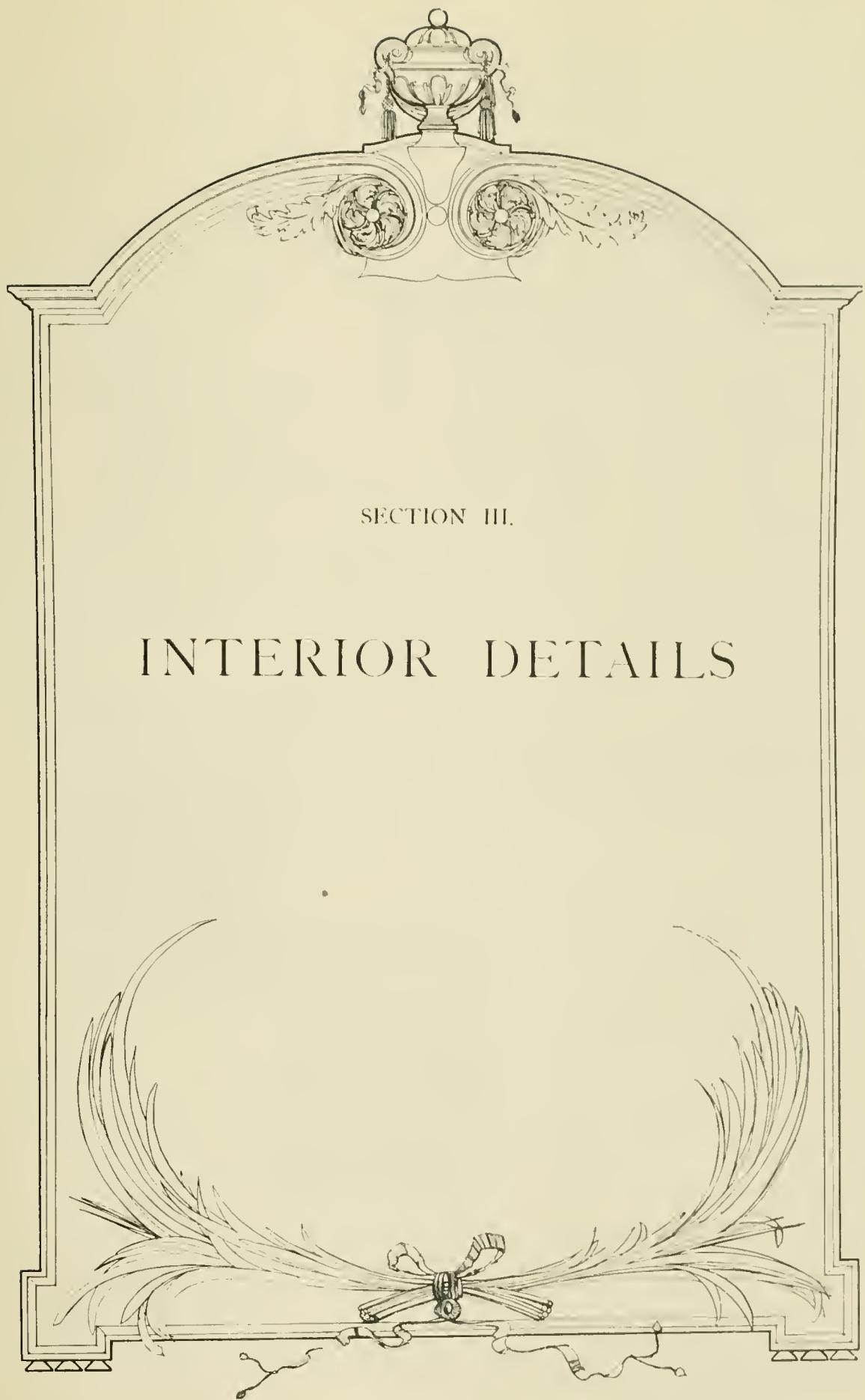


View from South-East.



Ground-Floor Plan.

"SOUTH HILL," HOOK HEATH, WOKING. HORACE FIELD, F.R.I.B.A., ARCHITECT.

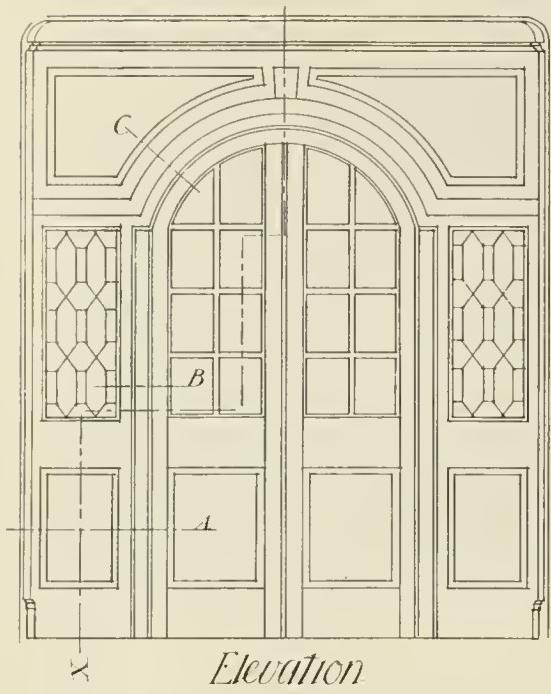


SECTION III.

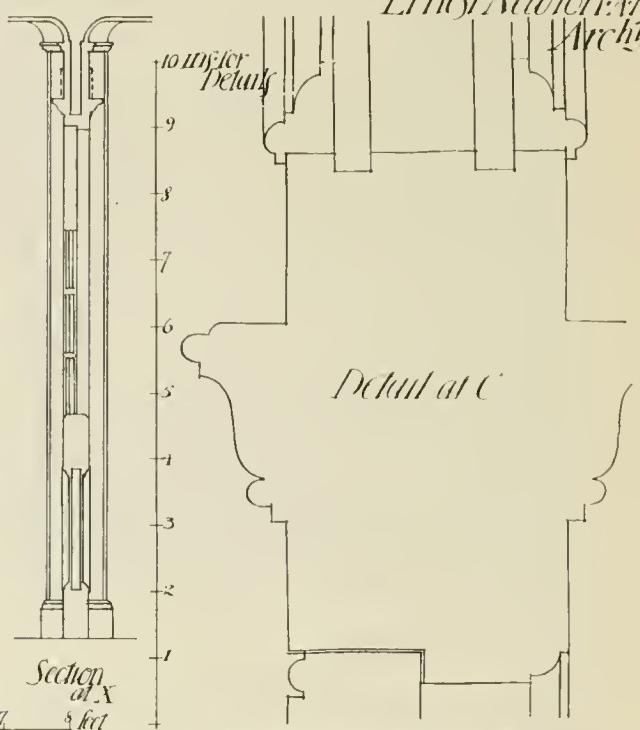
INTERIOR DETAILS

BRANDLODGE VESTIBULE SCREEN

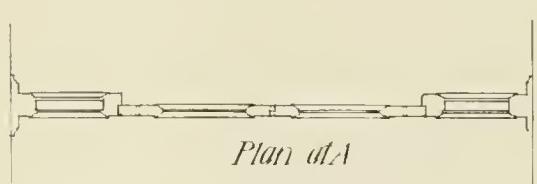
LINOT NEWTON ARTHUR
Archt



Elevation



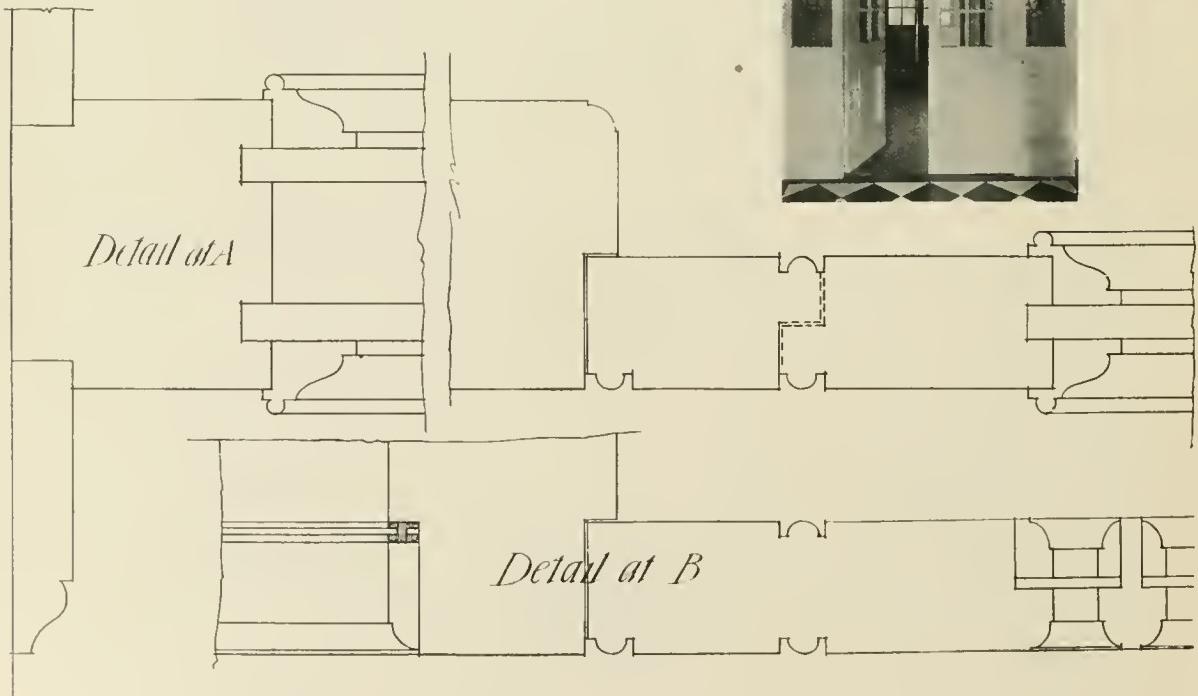
Section at X



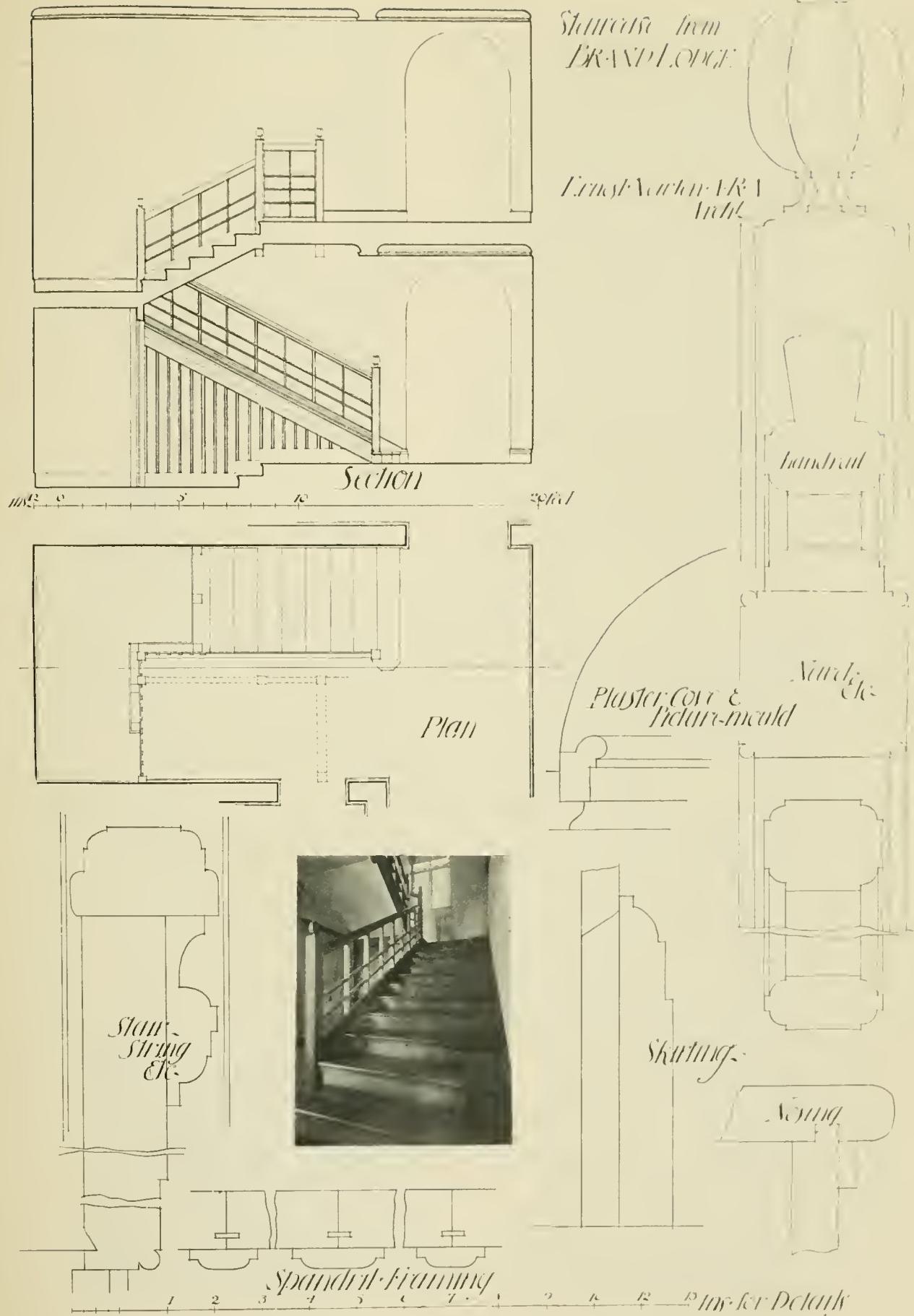
Plan at A



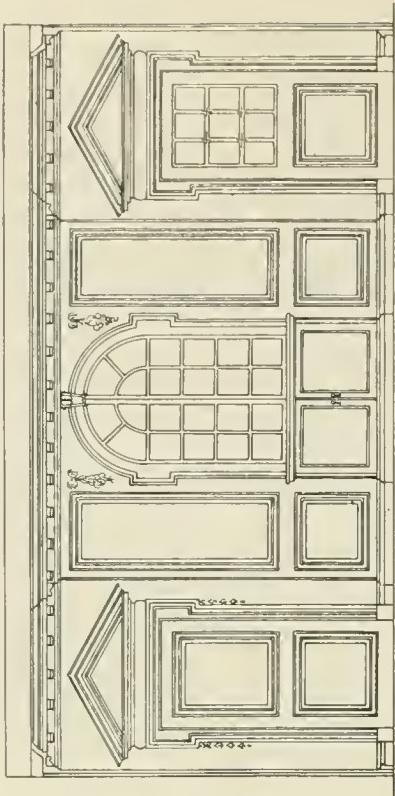
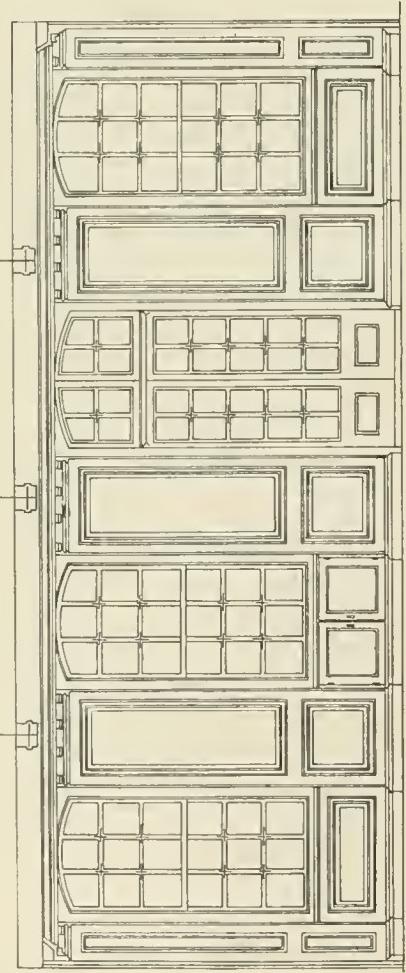
Detail at A



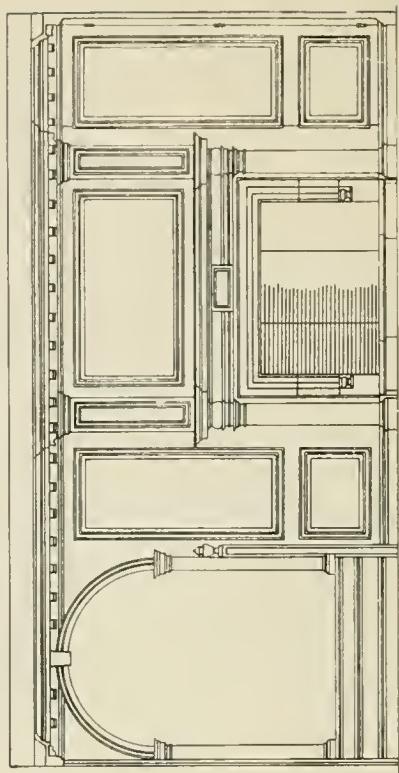
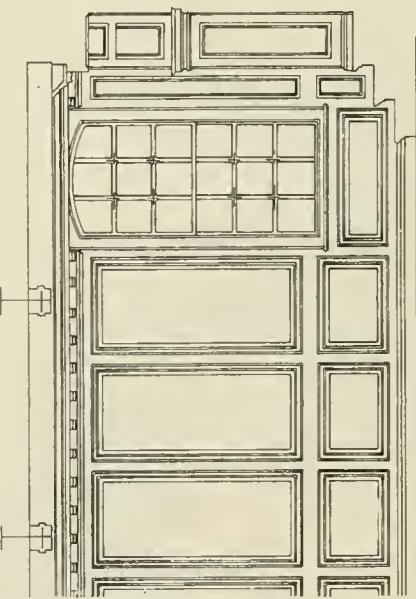
Detail at B



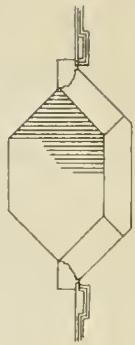
HALL AT CONWELL GRAANGE, WIZZIS

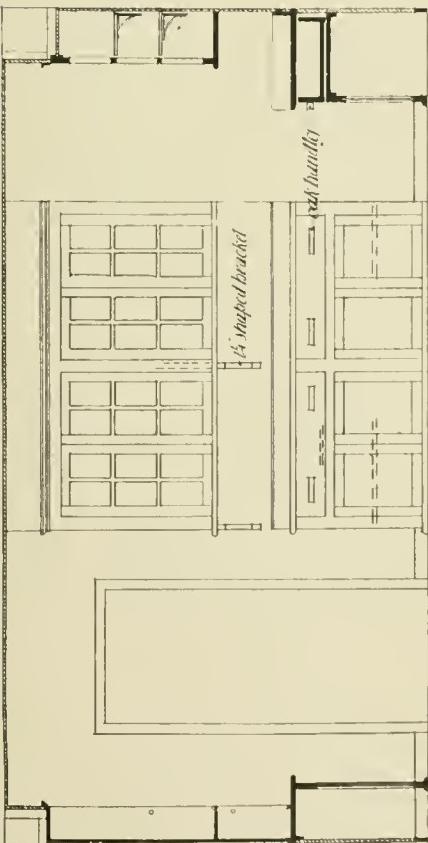


E. CUY DAWBER, Arch't.

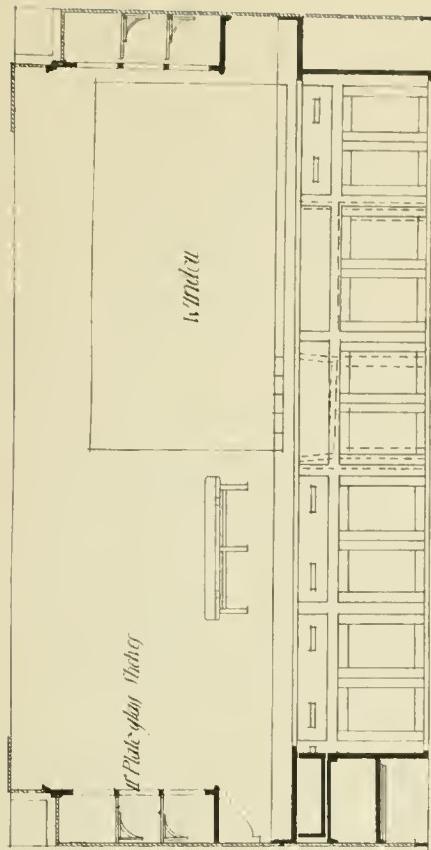


ft
m) 12 0 1 2 3 4 5 6 7 8 9 10

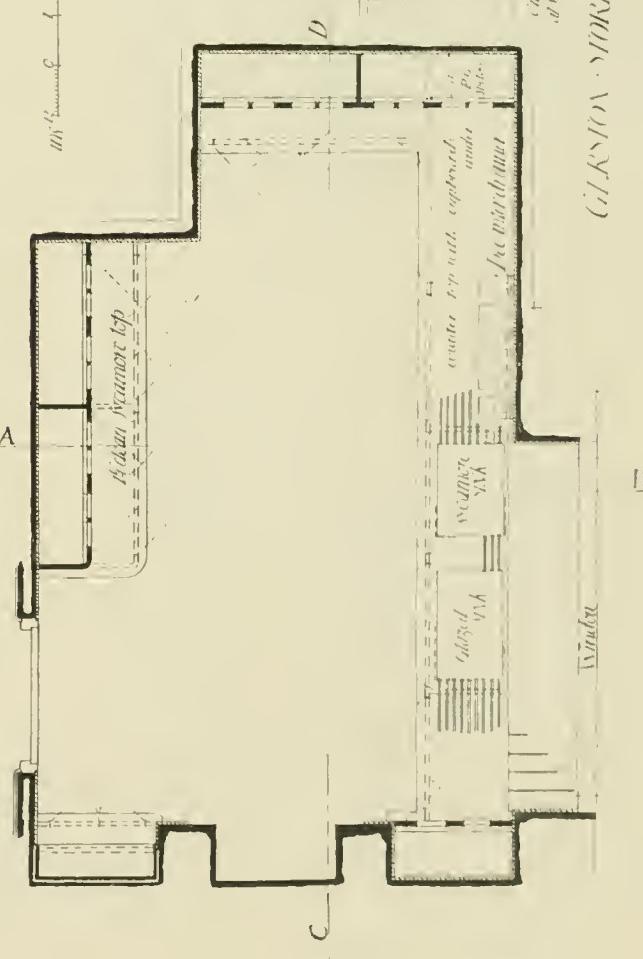




Sichuan C.D.

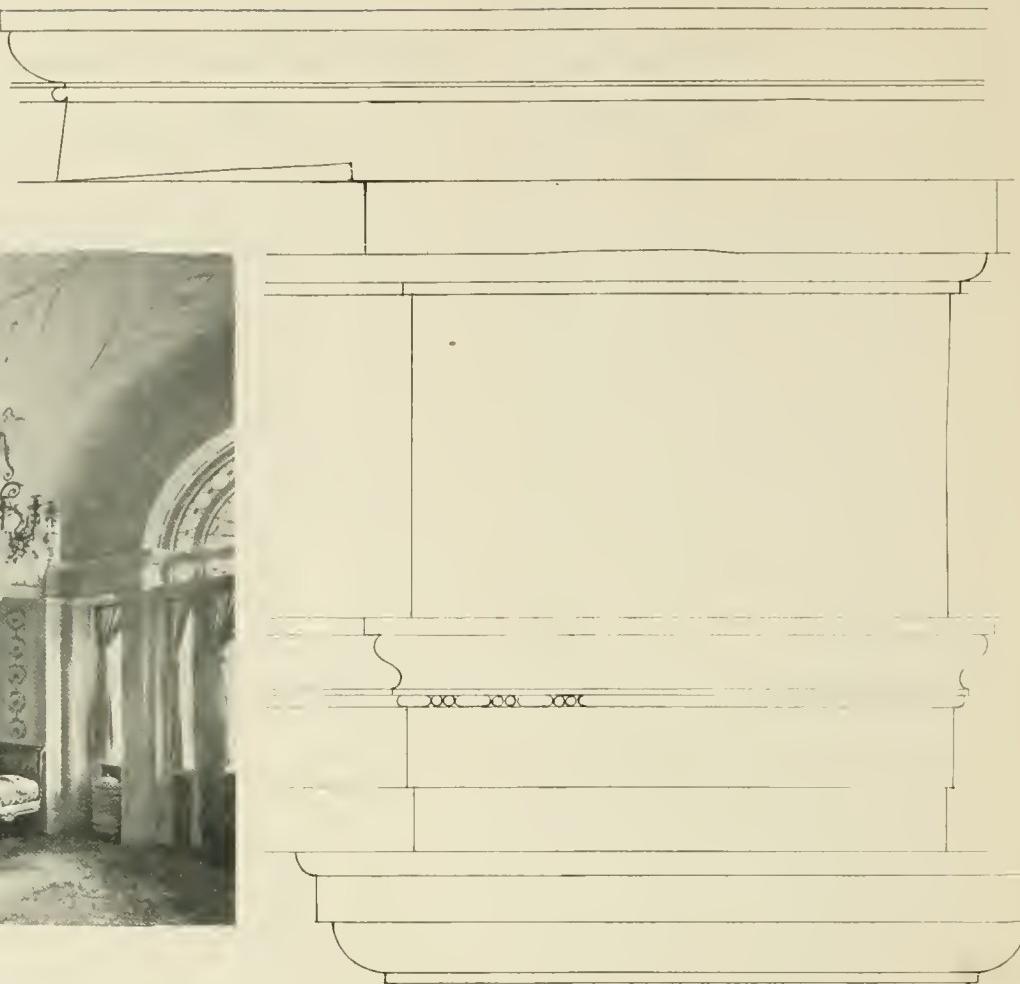


Xiechen shuangyundu

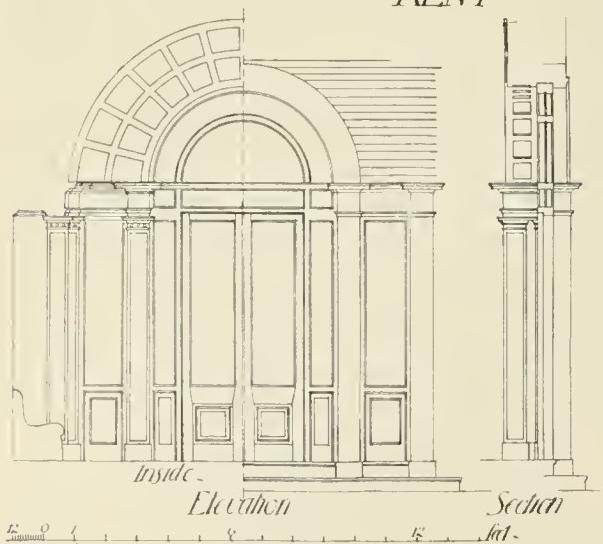


(ii) *Kyno* - *YOKRYVITTA* - *YUYYN* - *BULLER* / *WTKA* / *THIRTY*. *THE*

*Detail of
Entablature*

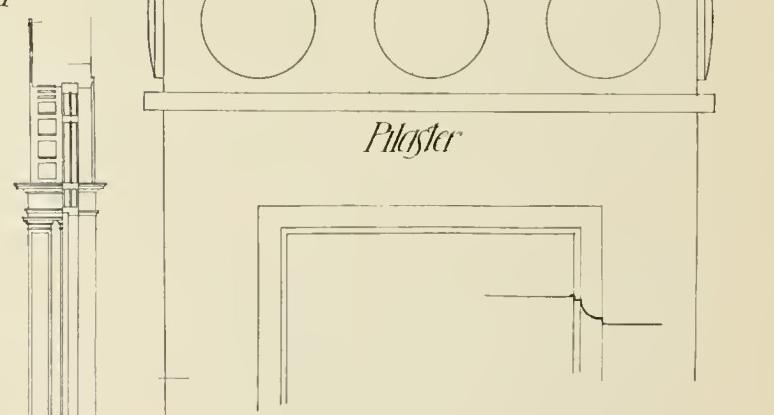


GARDEN DOOR
Angle Park Cranbrook
KENT



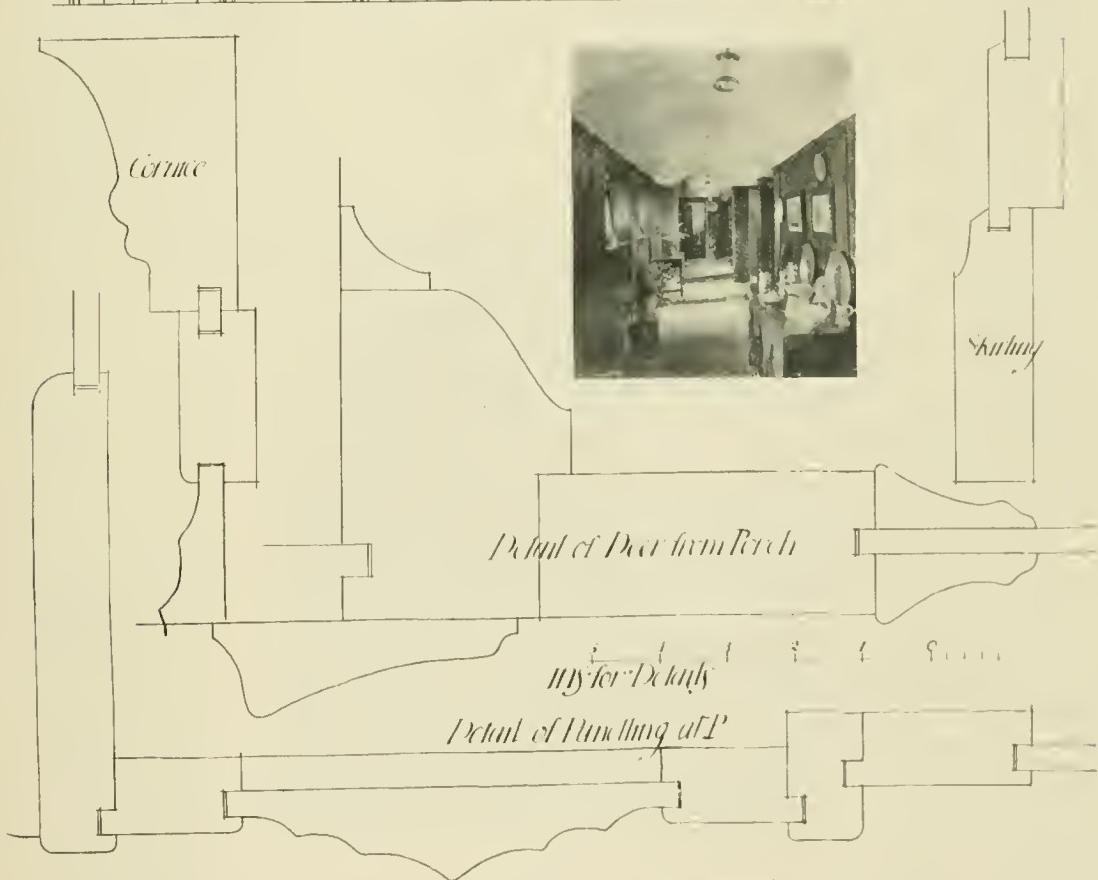
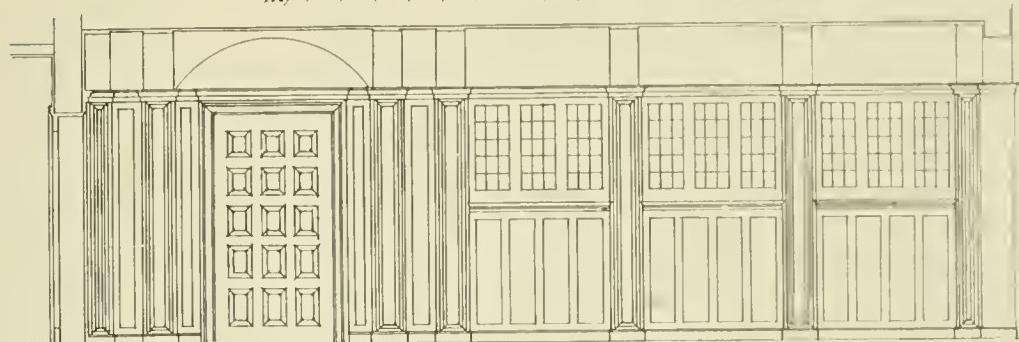
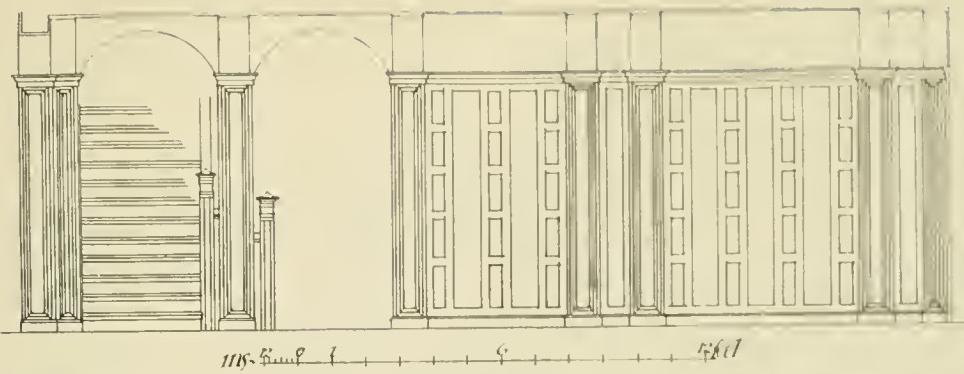
ms for Details

Pilaster



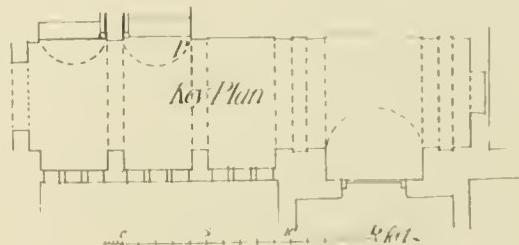
Mervyn Macaulay
Architect

Scale 0 1 2 3 4 5 6 7 8 9 feet

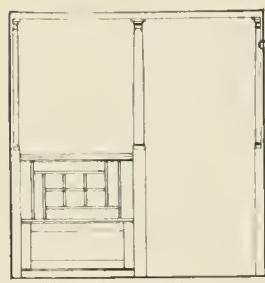


Corridor from house at WESTLAKE HALLIWELL

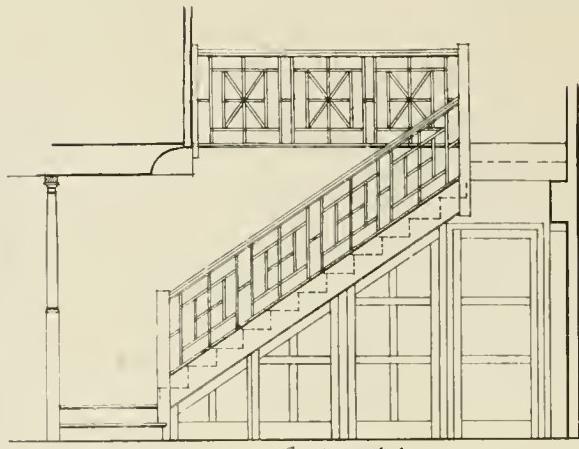
*Woodhouse & Webb Dean
Archt.*



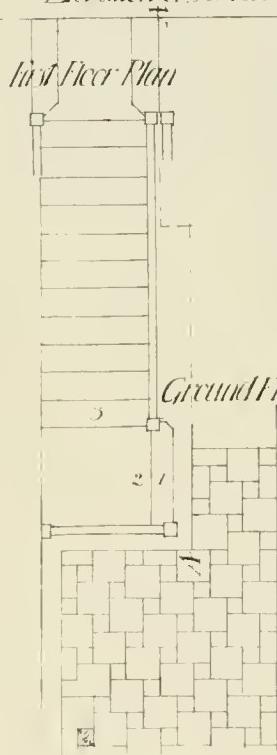
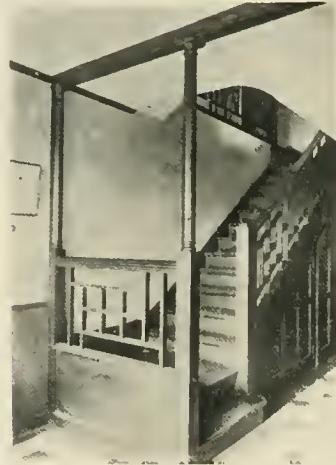
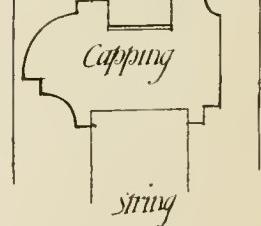
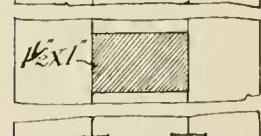
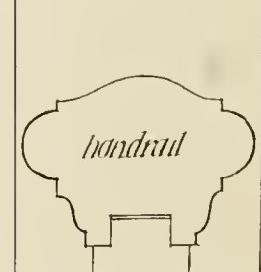
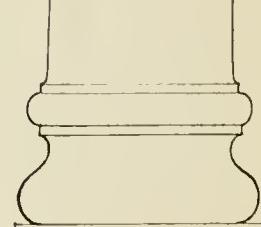
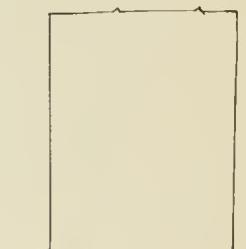
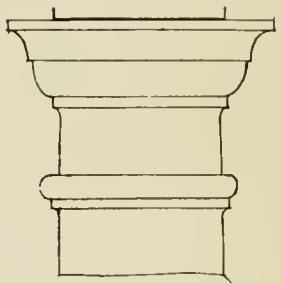
Staircase from the Ship Golders Green
J.W.Hally Arch.



Eduard des Sceaux

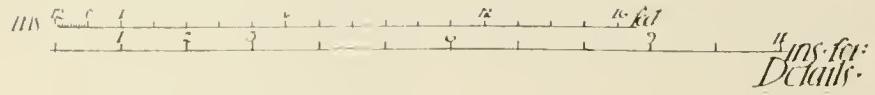


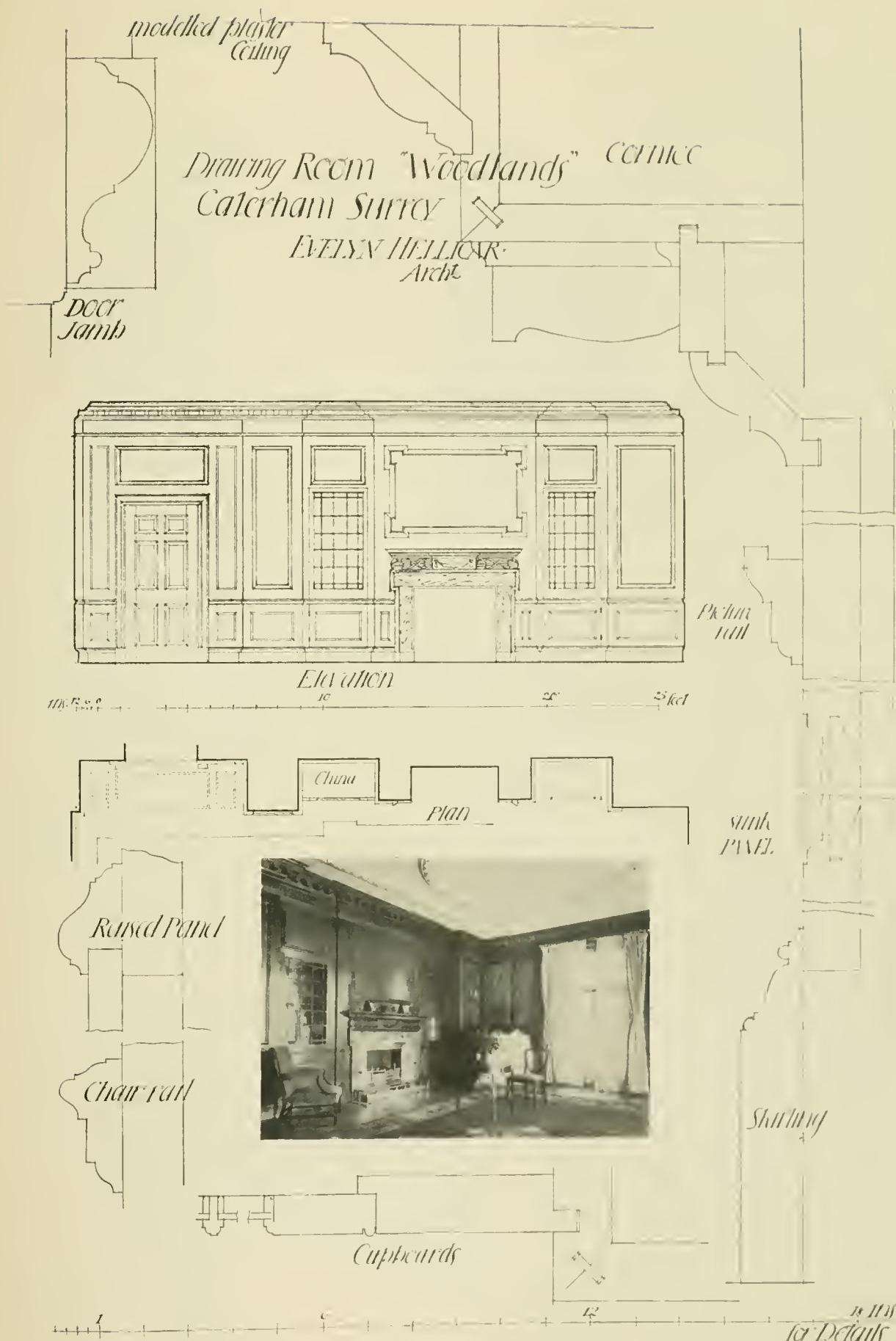
Section A-1



First Floor Plan

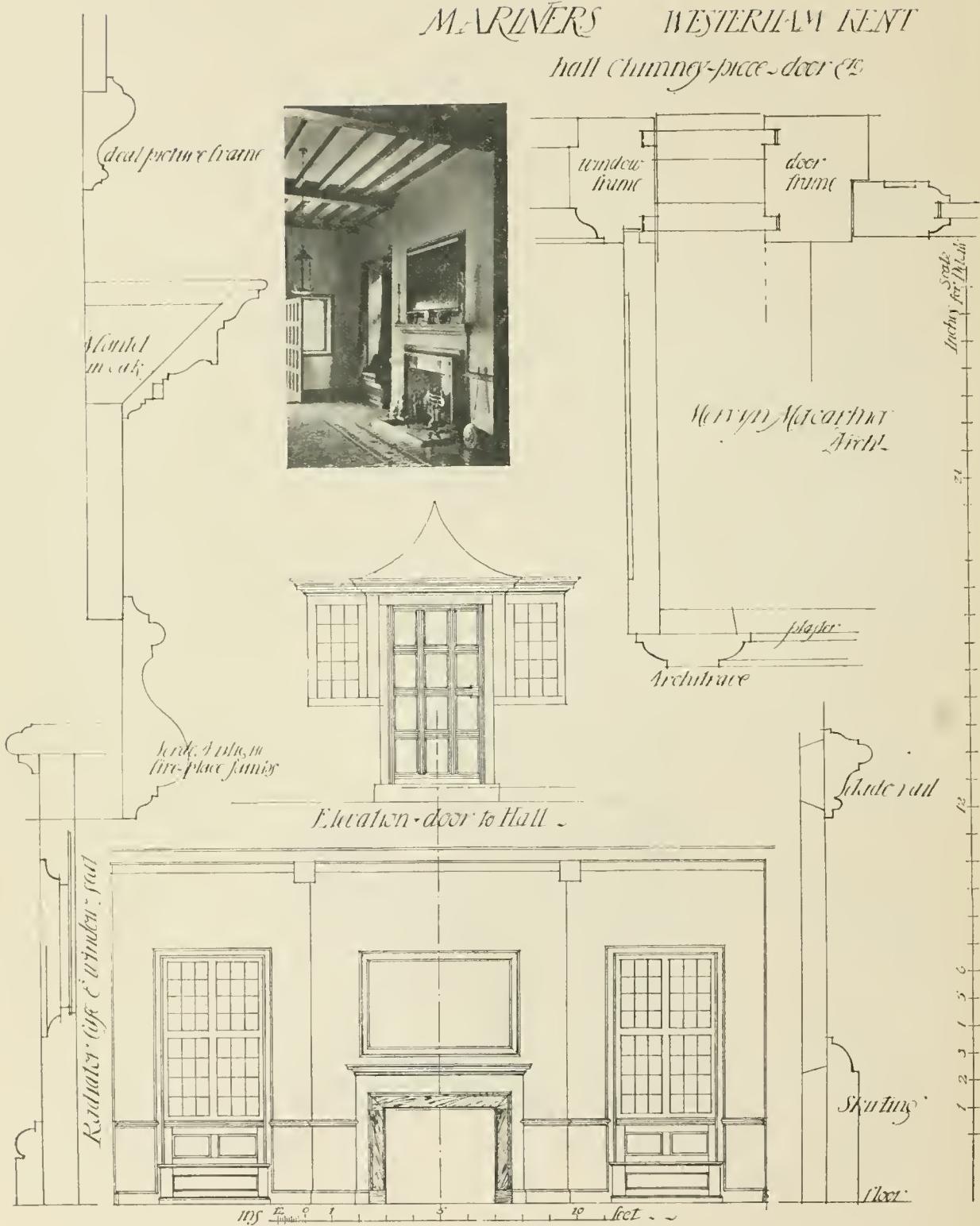
Grundförfattan



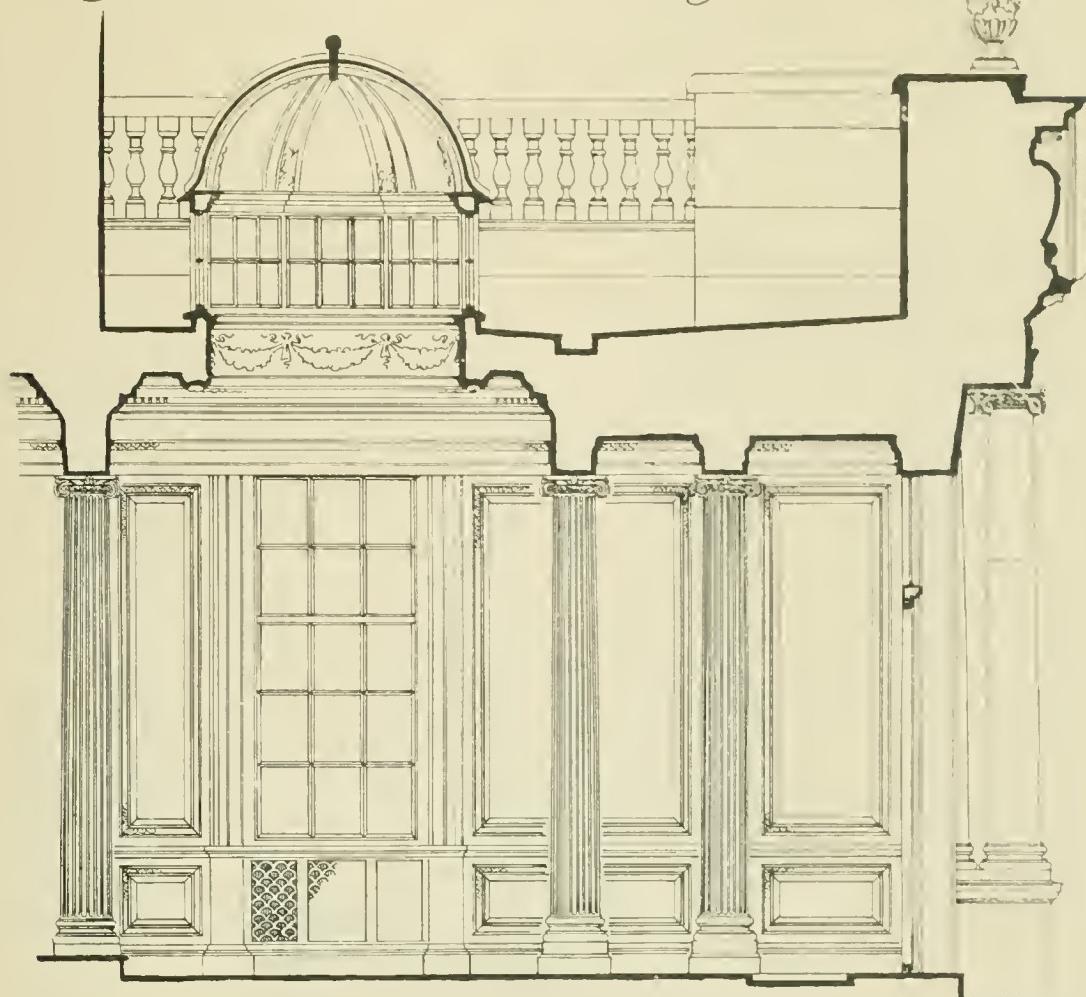


Mr RIVERS' HESTERHAM KENT

hall chimney-piece door &c



VESTIBULE: Silverlands Chertsey

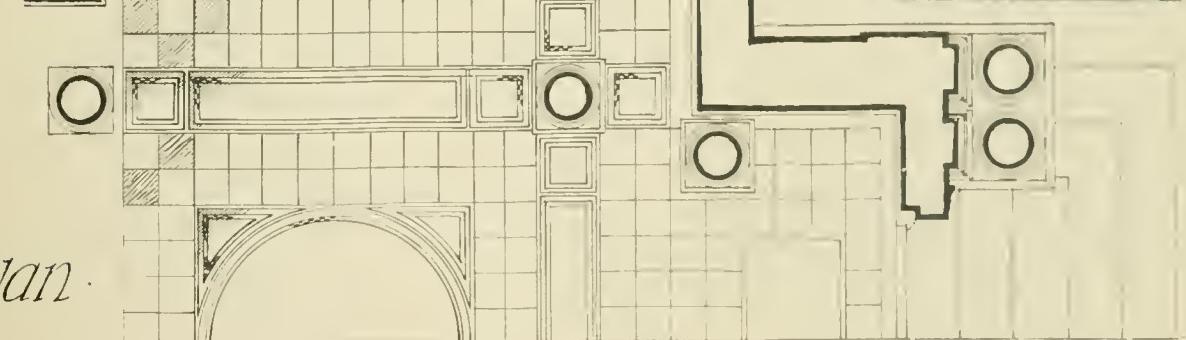


MS. 12 8 1 6 Section 12 feet.

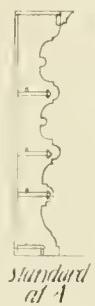
Ronald P. Jones · Archt



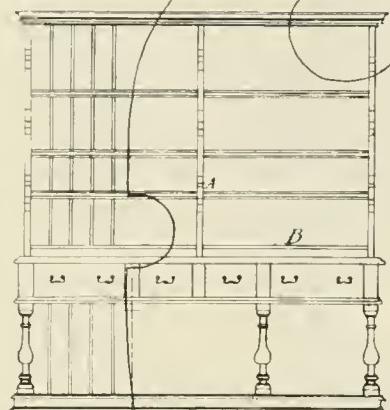
Plan.



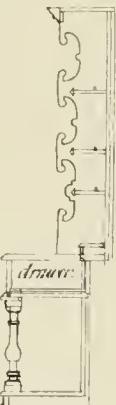
DRESSER from house
at Chisichurst
E. May Archt.



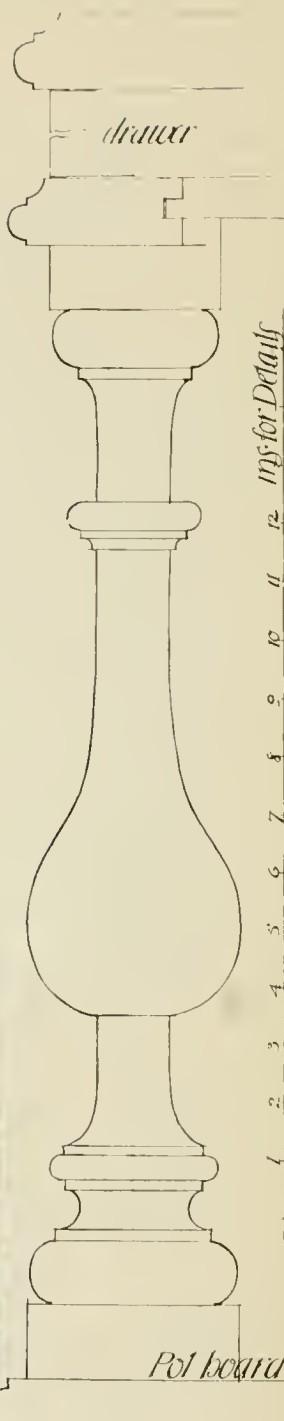
standard
at A



Elevation
in ft. 8 in. 9 4 3 2 1 2 ft. 1.



Section
drawer



Pot board



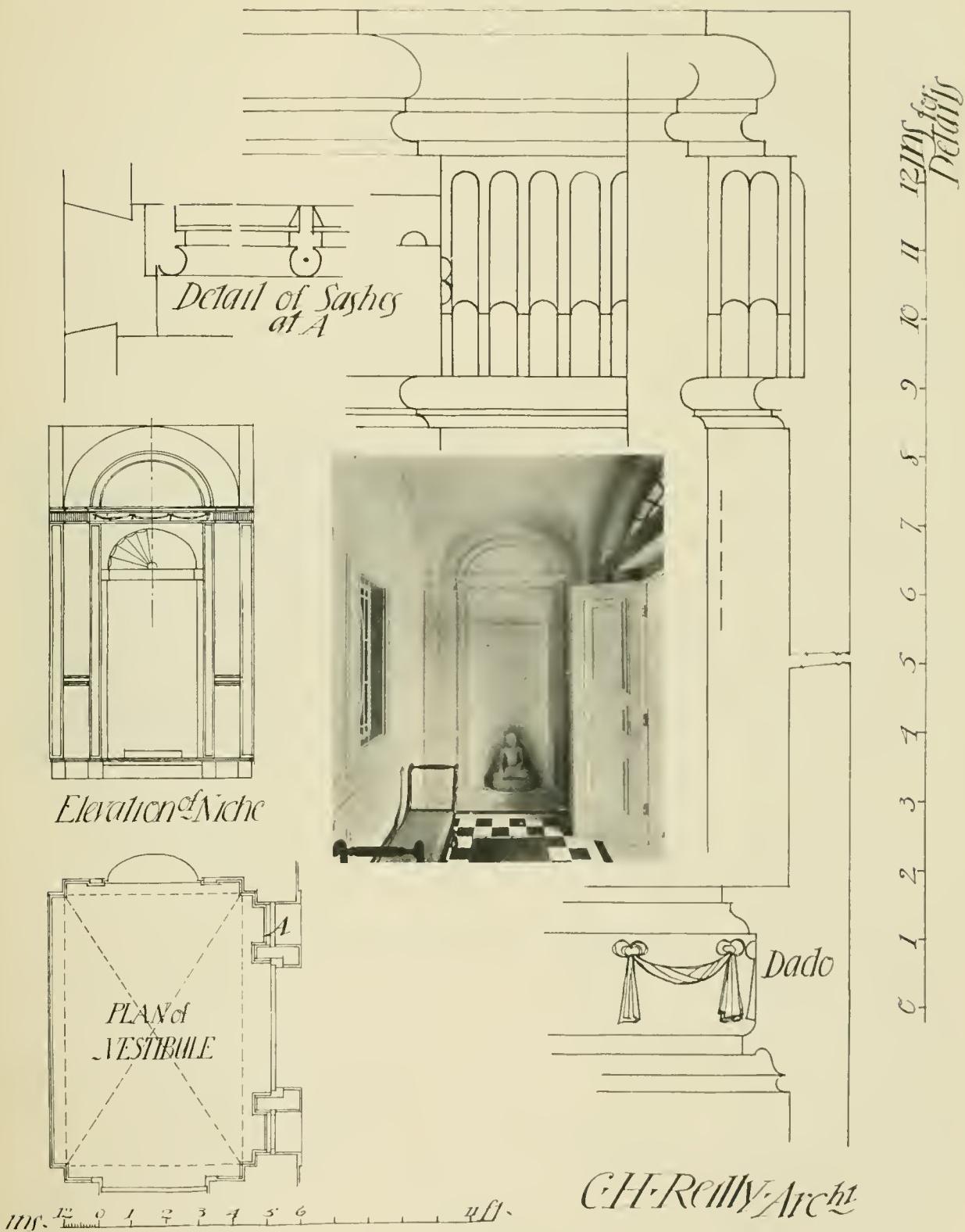
DETAIL of Shelves
Standards - dotted line
indicates centre standard.

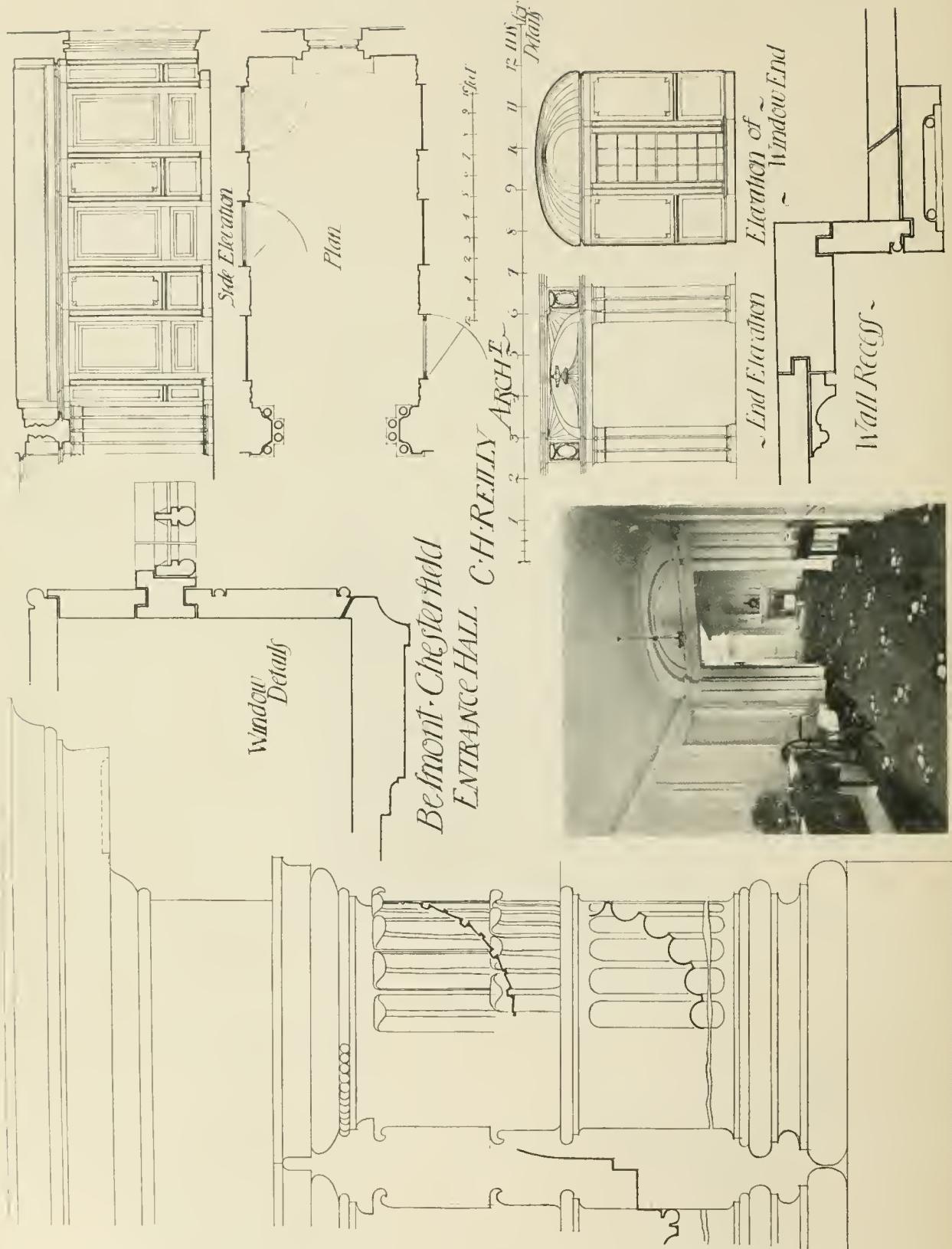
Detail of B

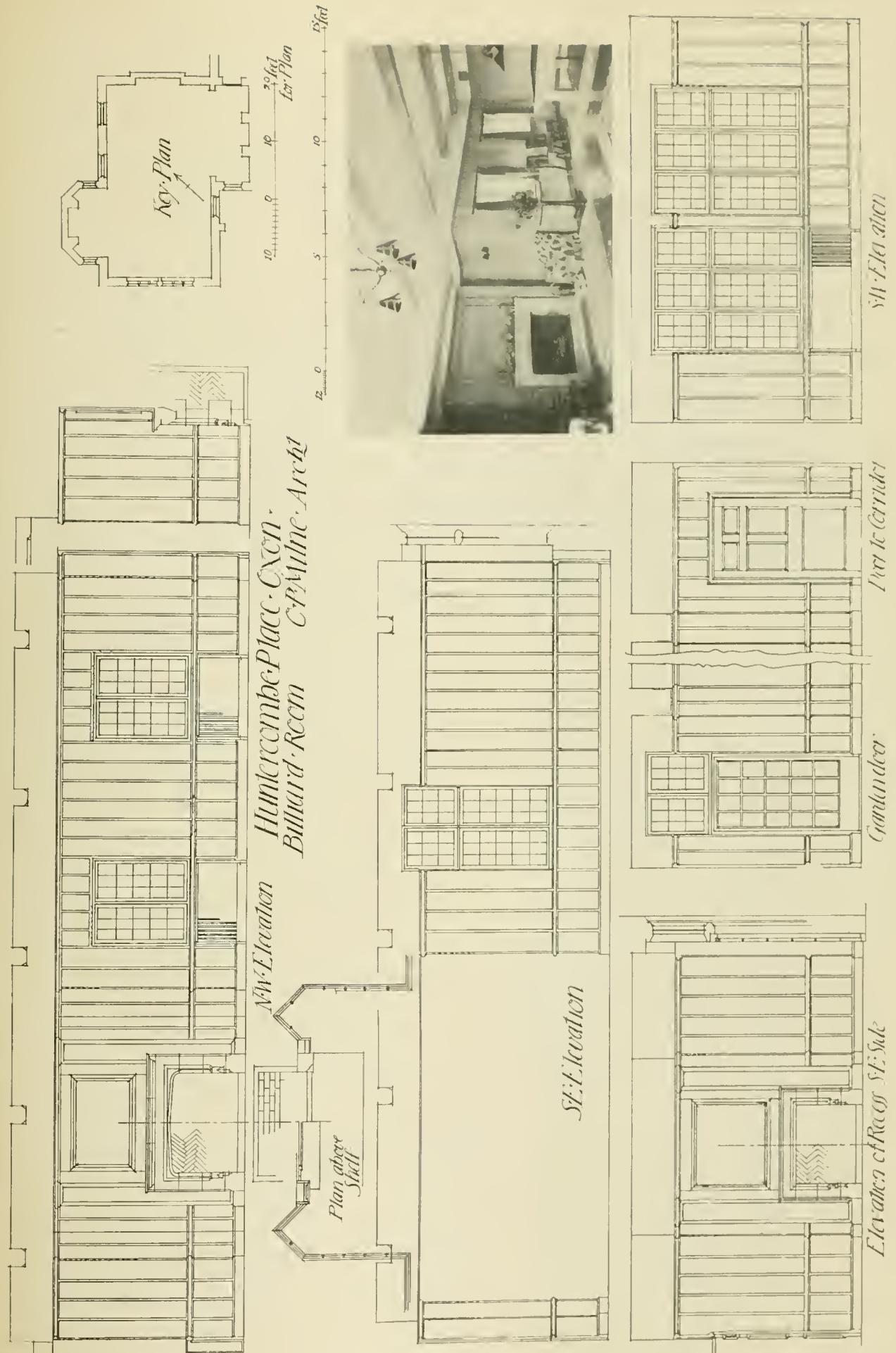
boarding at back of dresser

floor

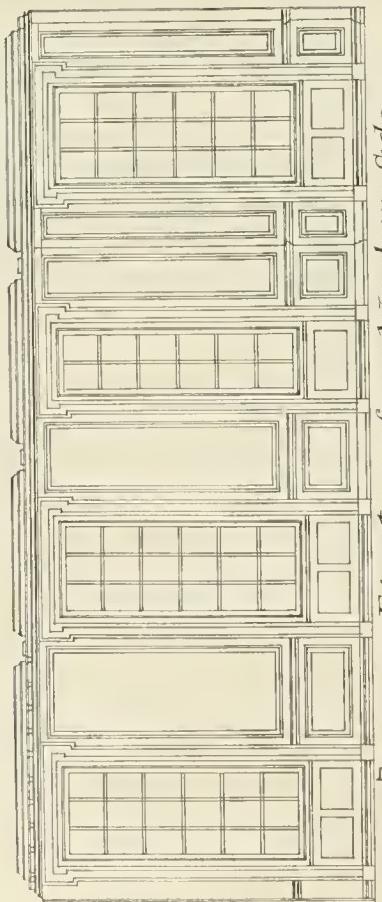
BELMONT Chesterfield







*Dining Room Smith Square
WESTMINSTER*



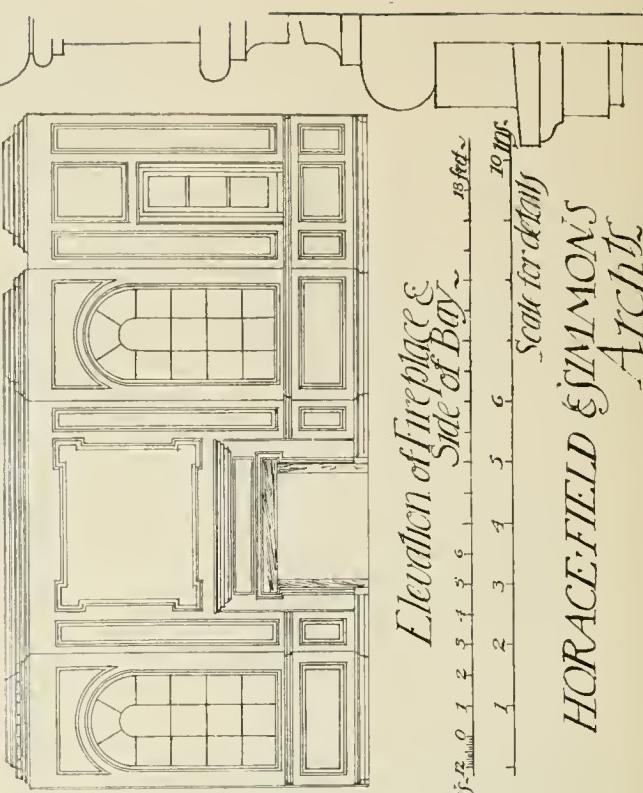
Elevation of Window Side

Panel mould.

Mantelshelf.

Impost

Arch

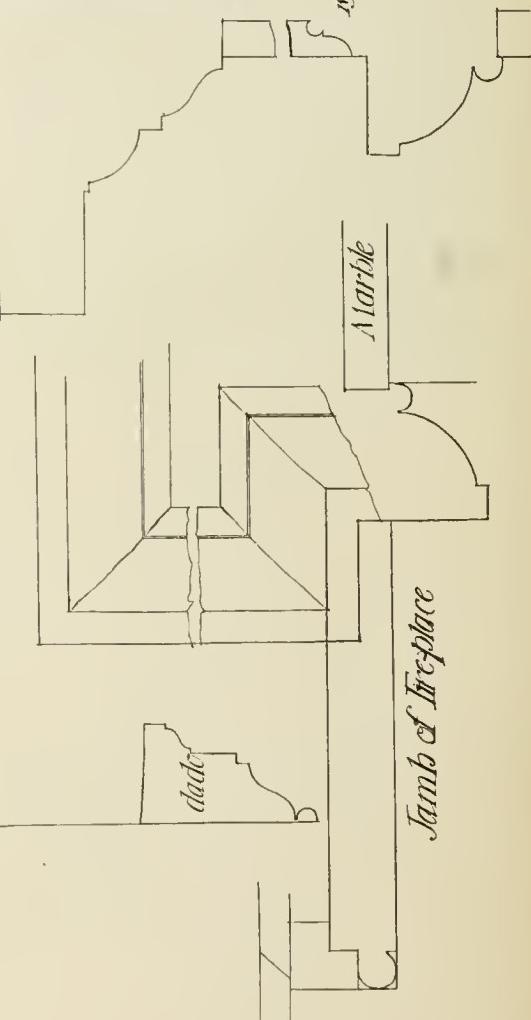


*Elevation of Fire-place &
Side of Bay*

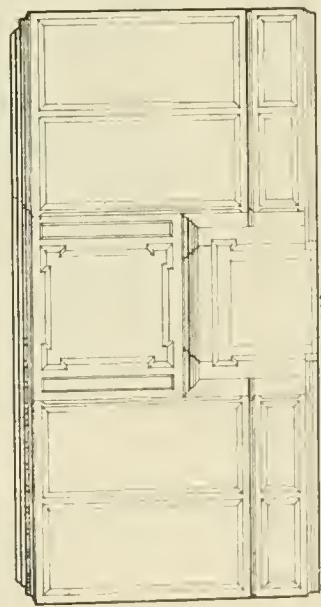
10 ft. 2 in. 0 in. 1 2 3 4 5 6 7 8 9 10 ft.

Scale for detail

*HORACE FIELD & J. M. MONS
Archts*

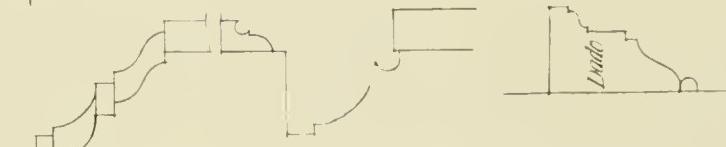


DRAWING ROOM
Dam Stanley St.
Hiram Field & Sonnen
Arch't



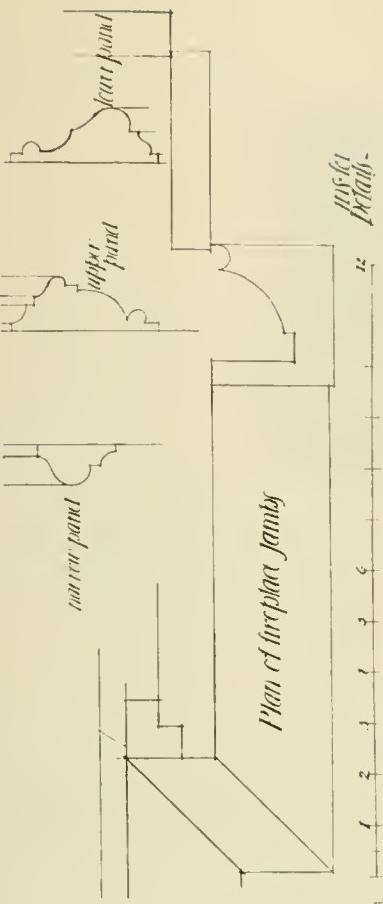
Lindbergh

Almirah



Lid

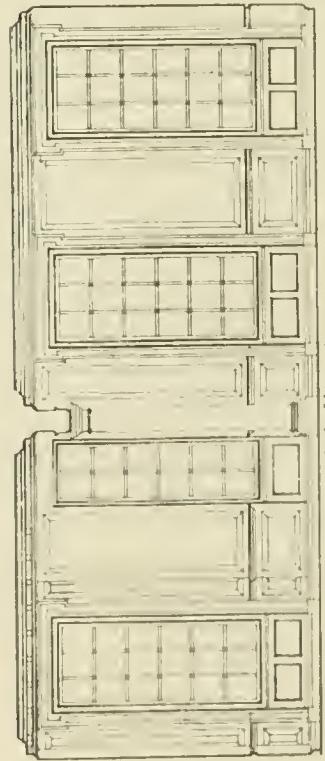
Almirah



Plan of three piano keys



Z

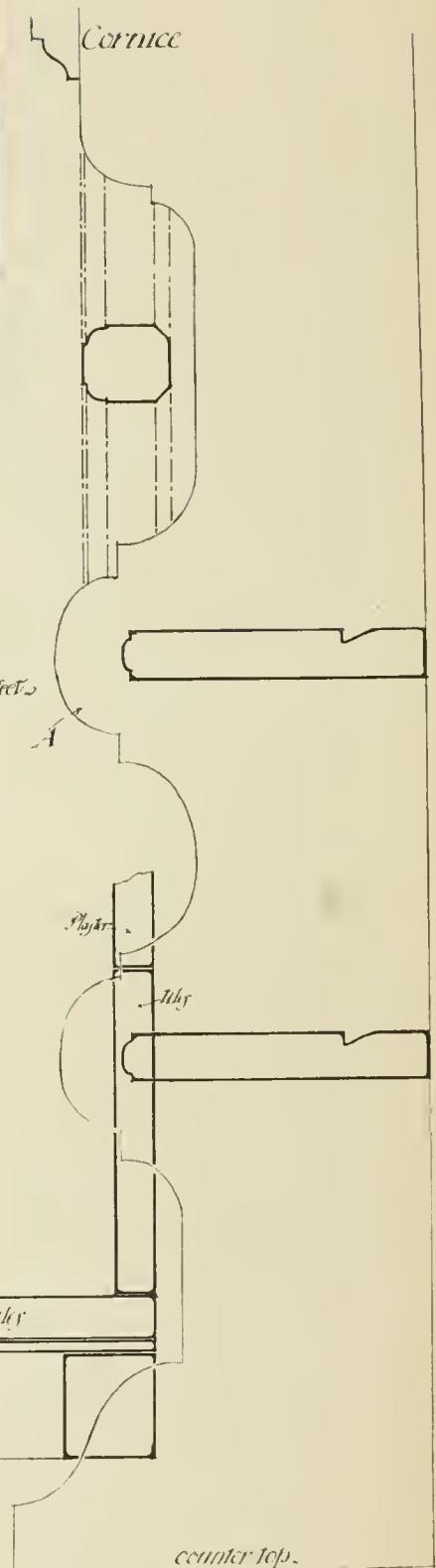
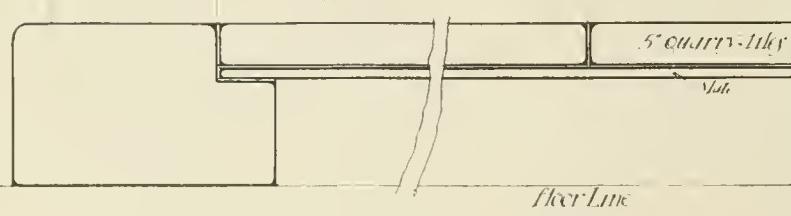
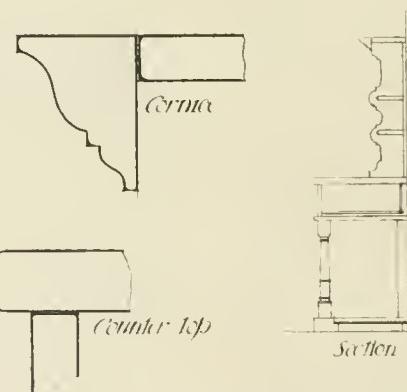
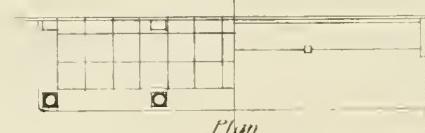
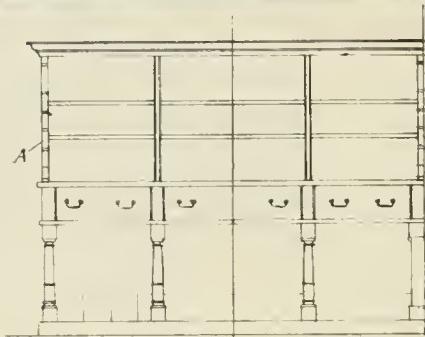
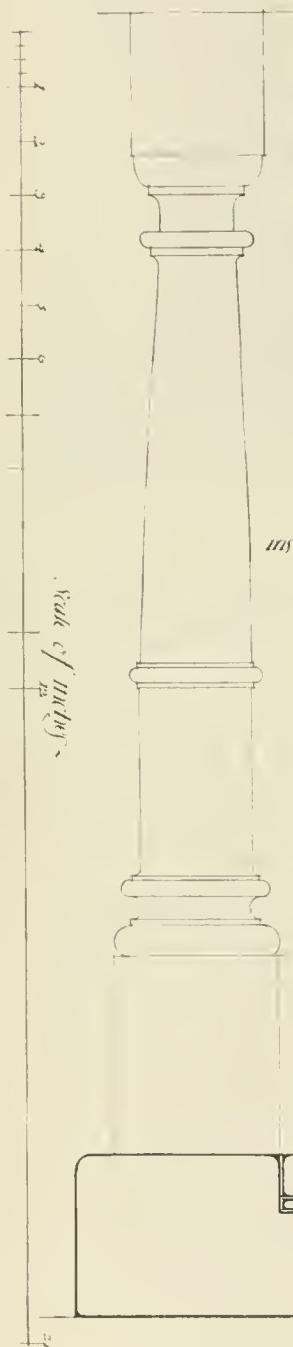


Wife's bedroom

25

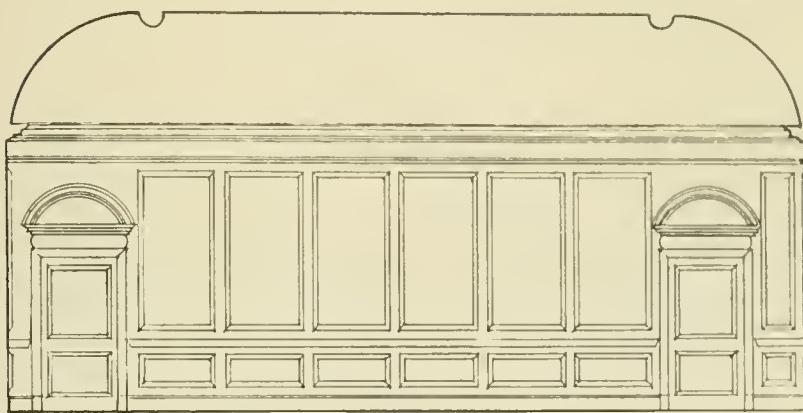
26

DRESSER
IN HOUSE AT
CHISELHURST
- E. J. MAY. architect.

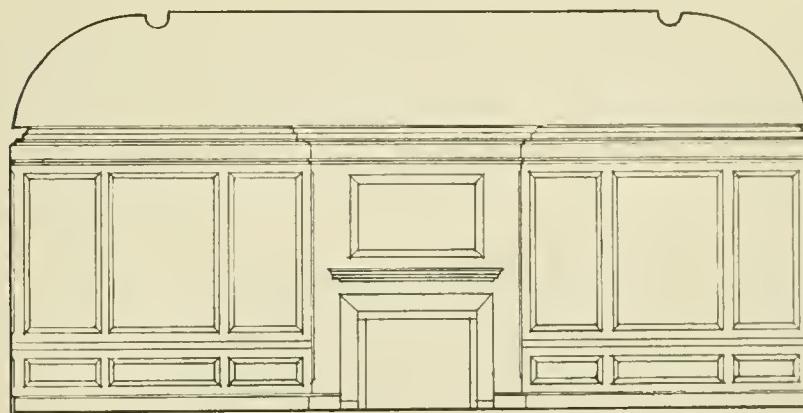


SALOON ENDON PLACE SUSSEX.

F·S·Chesteron Archt



Pand mould



Cornice



door architrave

door panel

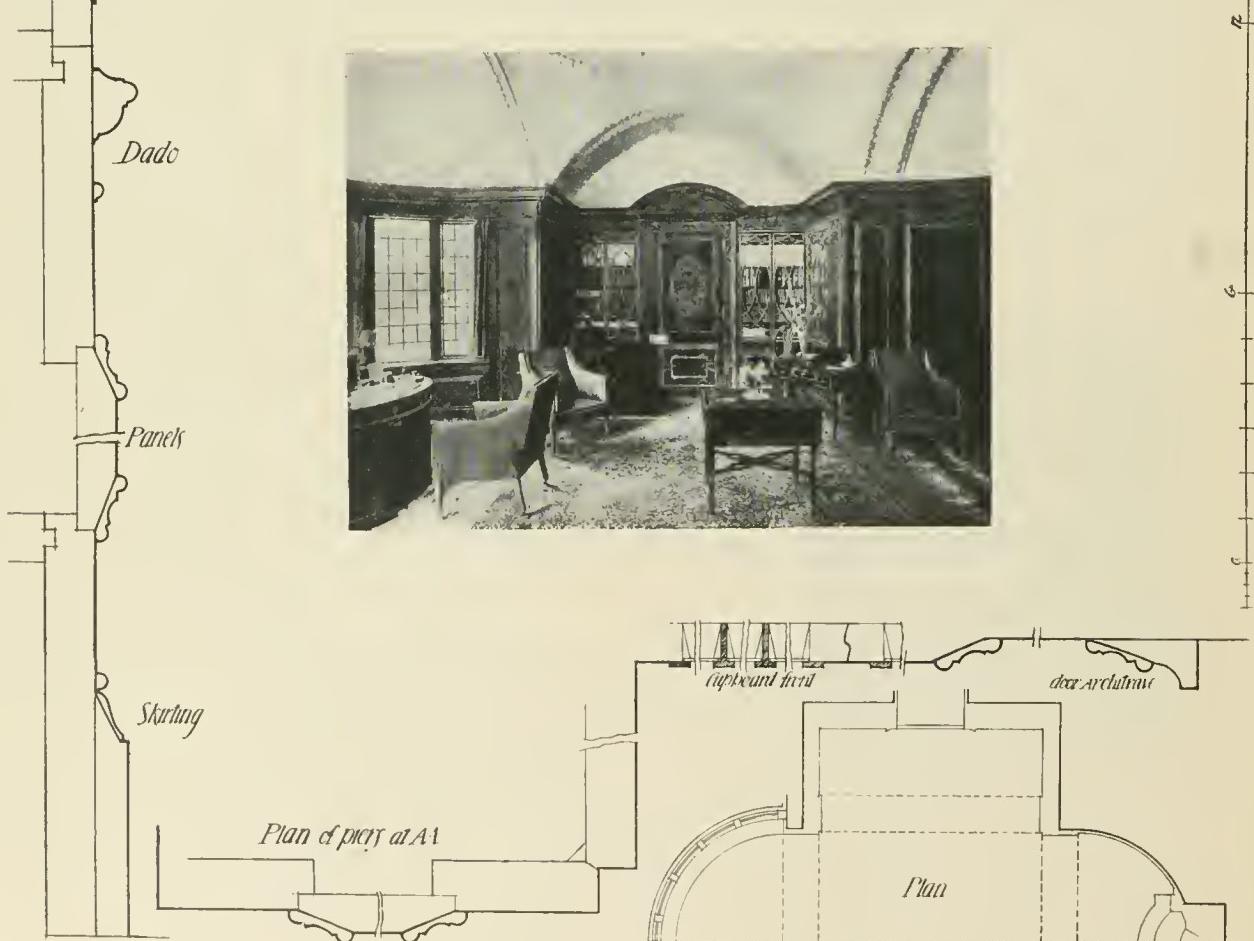
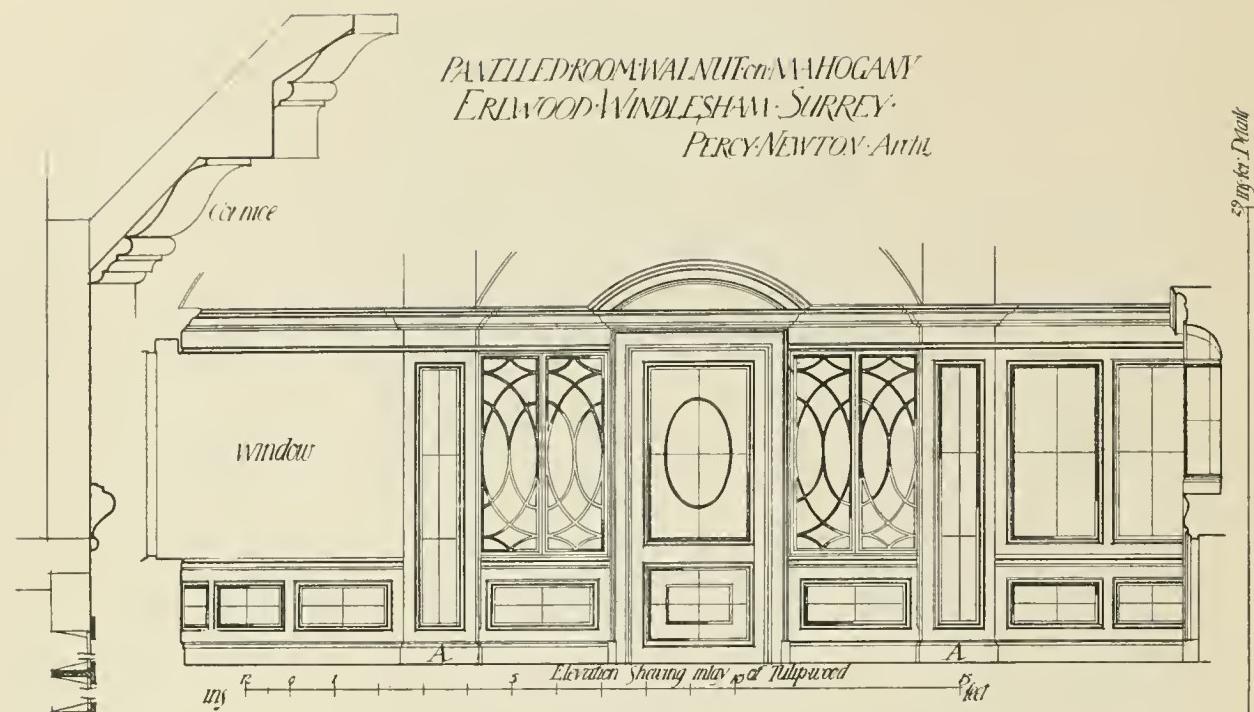
dado panel

22 May 1877 D. Hall

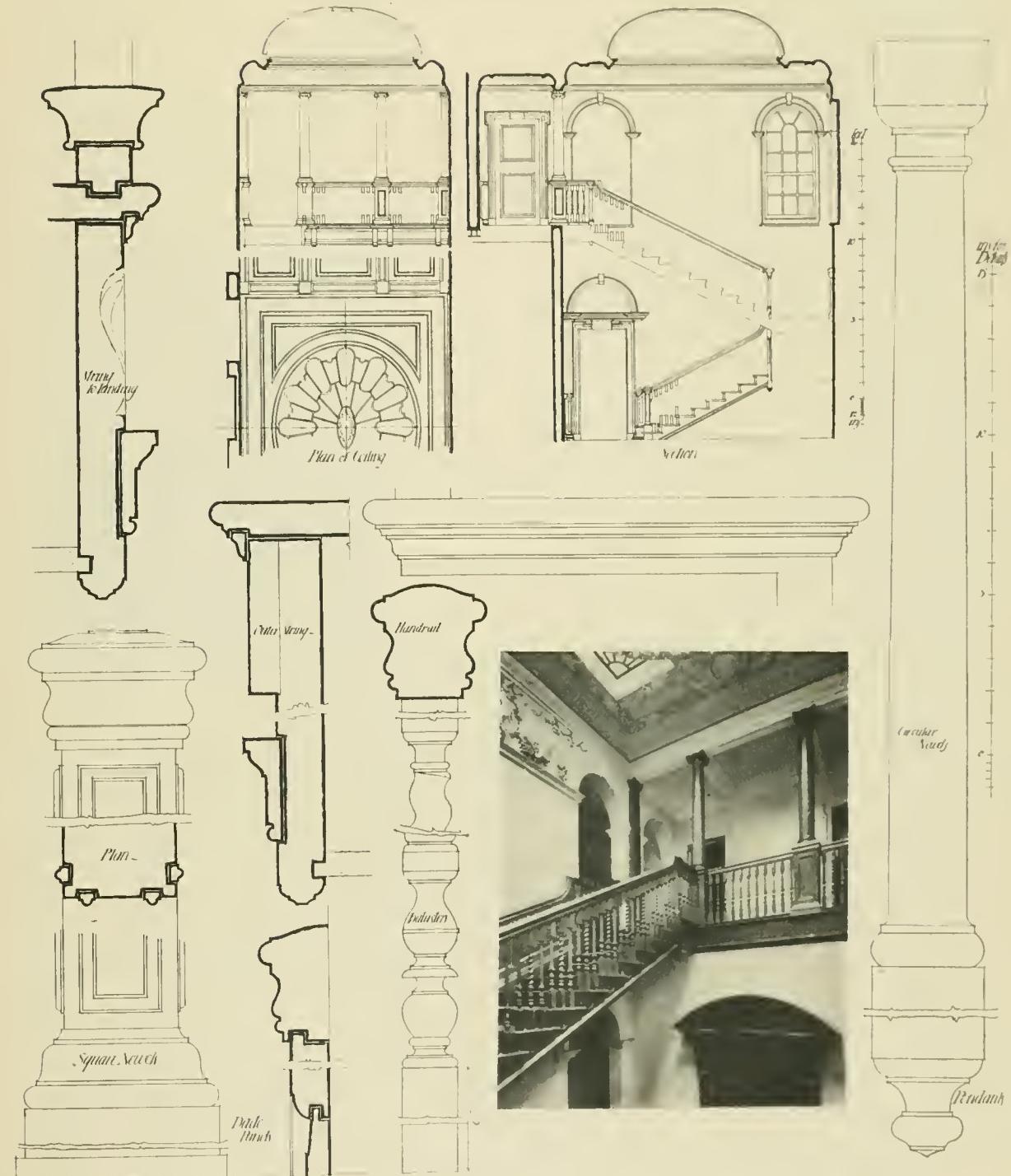
4
3
2
1
0

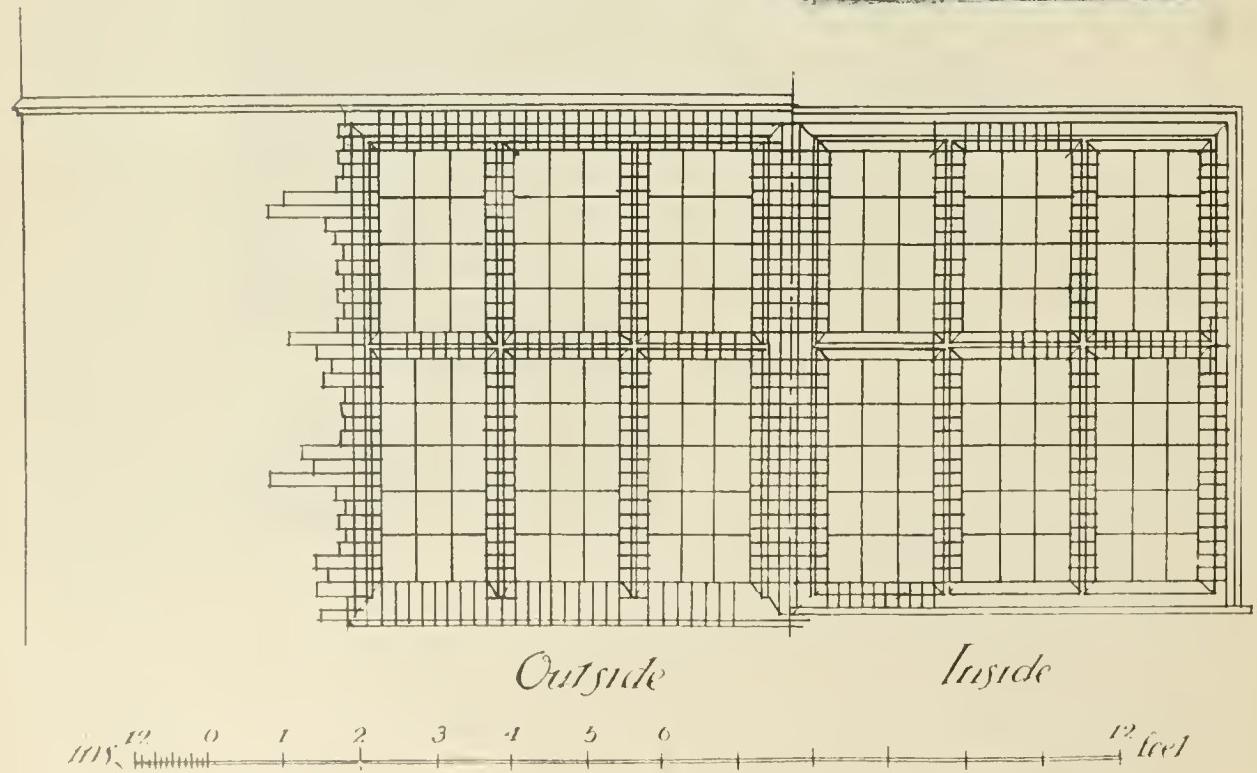
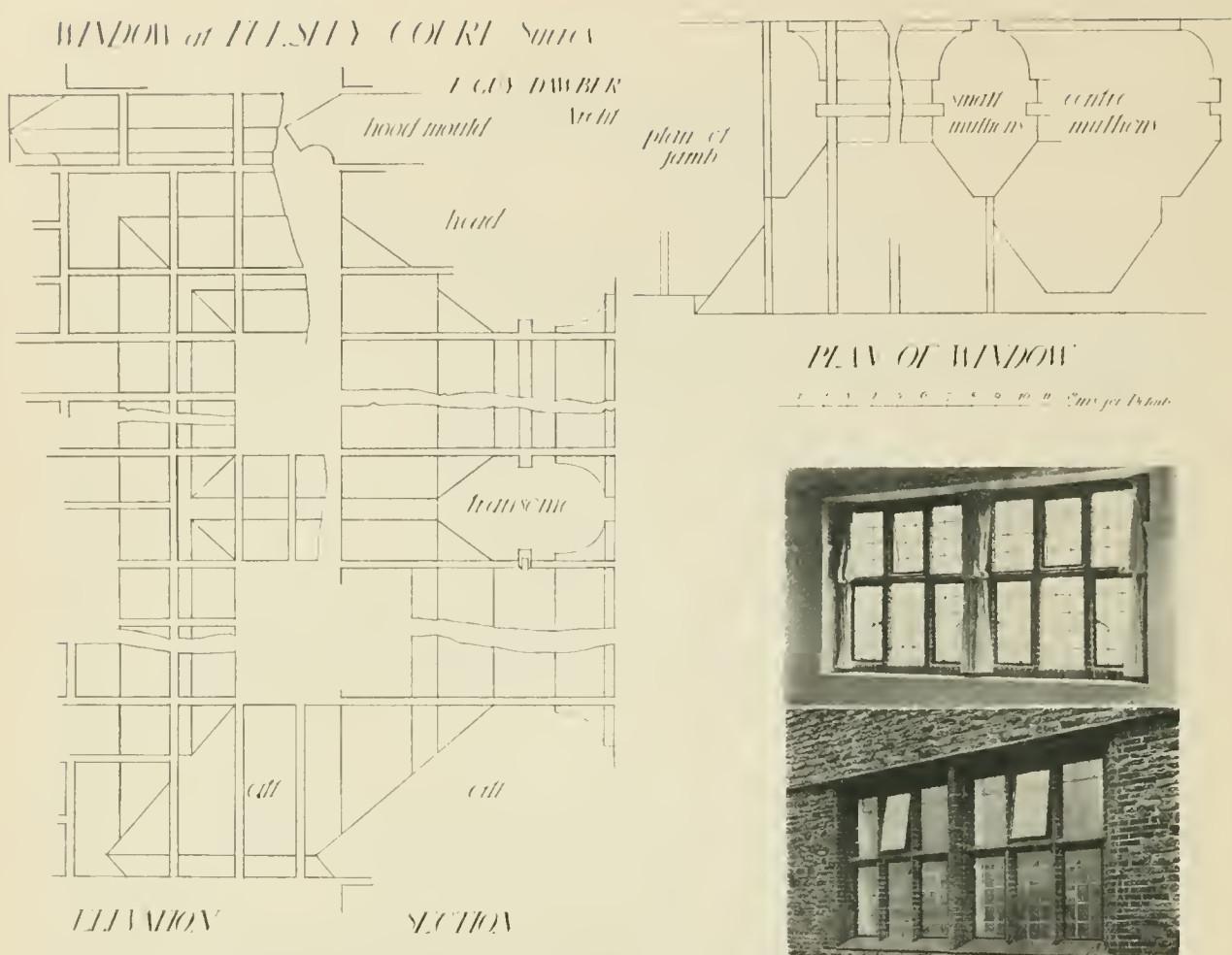
PARTLED ROOM WALNUT & MAHOGANY
ERIWOOD WINDLESHAW SURREY.
PERCY NEWTON Architect

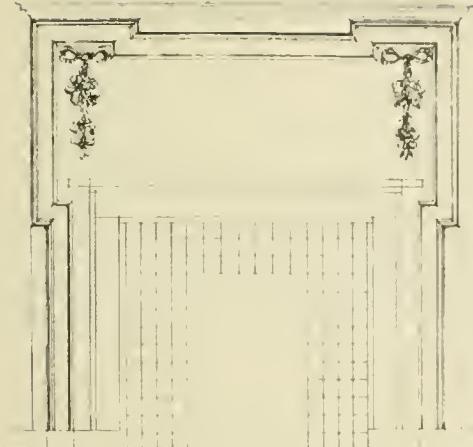
29 May 1910



STAIRCASE CUPOLA AT ST. HENRY FIELD & LEATH SAWMILLS. ARCH.



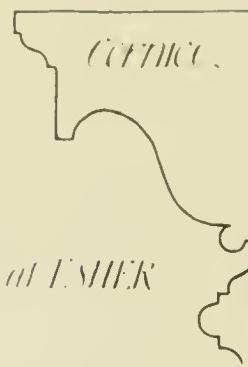




Elevation

Column of Room

*Chimney Piece
from House at Esher*



Draughts

12 11 10 9 8 7 6 5 4 3 2 1

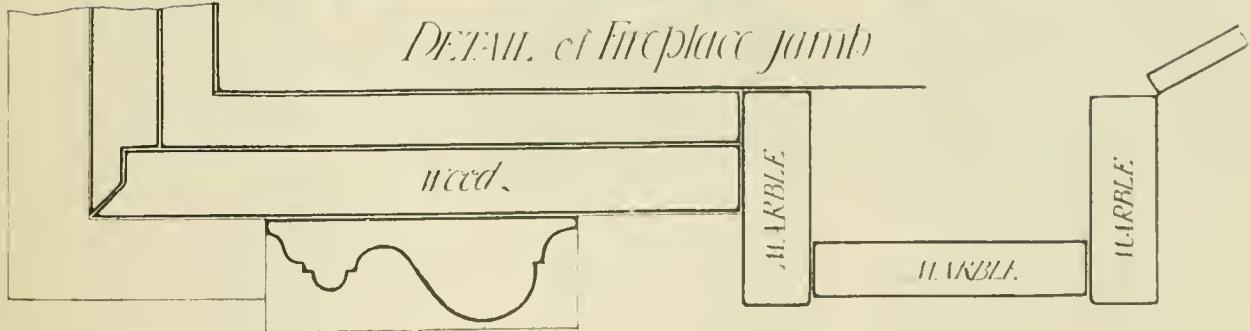
ZAVIAISON Archt



10 9 8 7 6 5 4 3 2 1

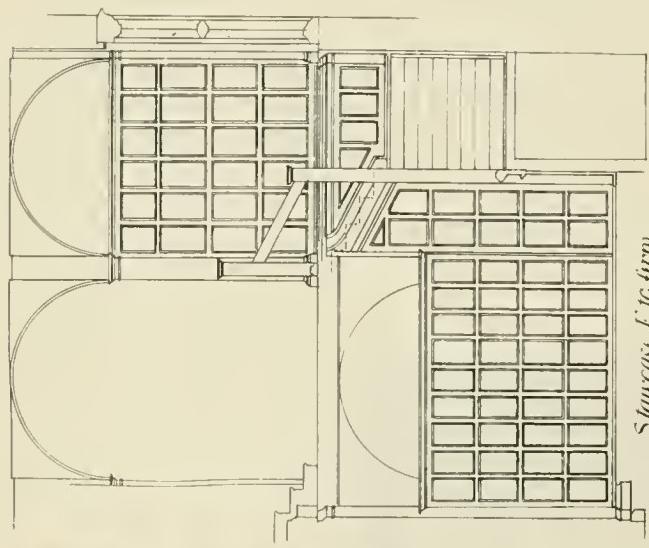
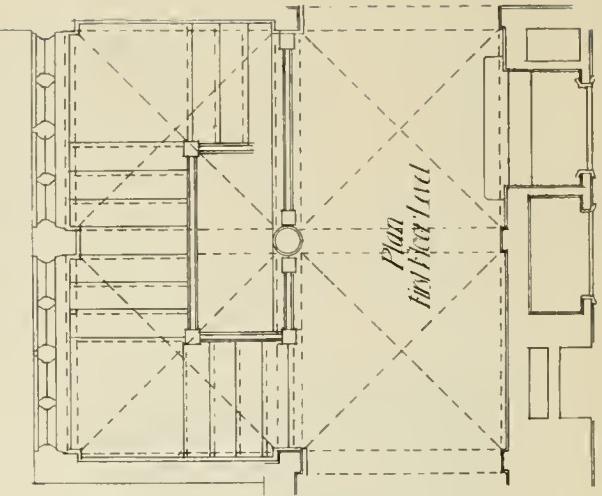
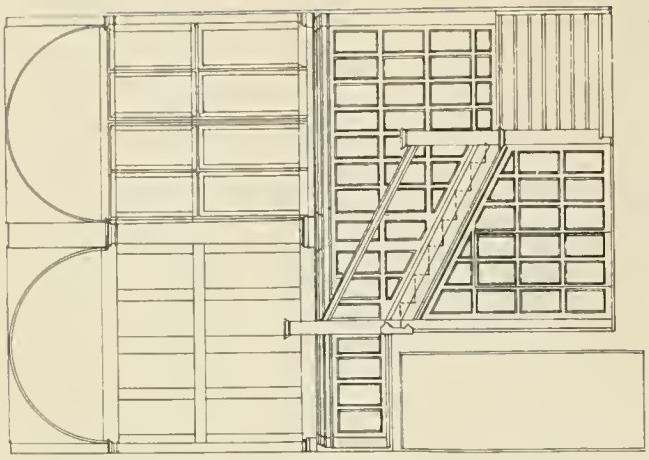


DETAIL of Fireplace Jamb

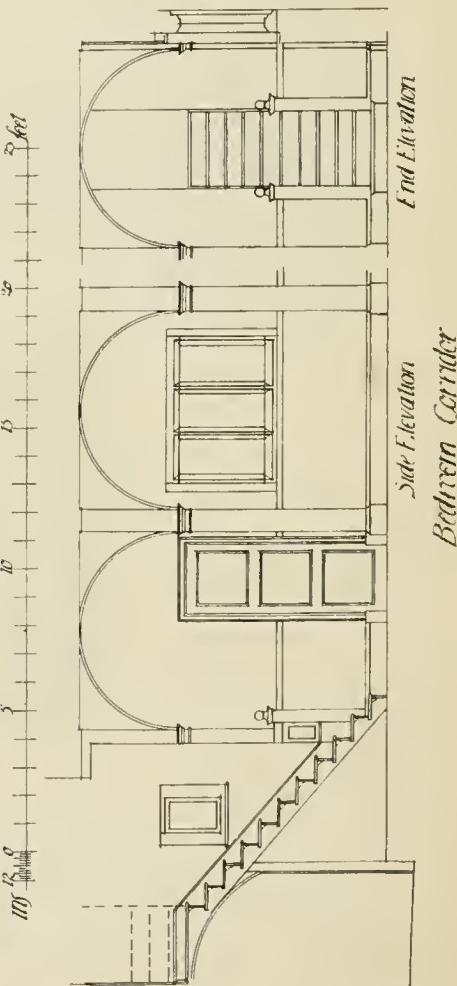


6 5 4 3 2 1

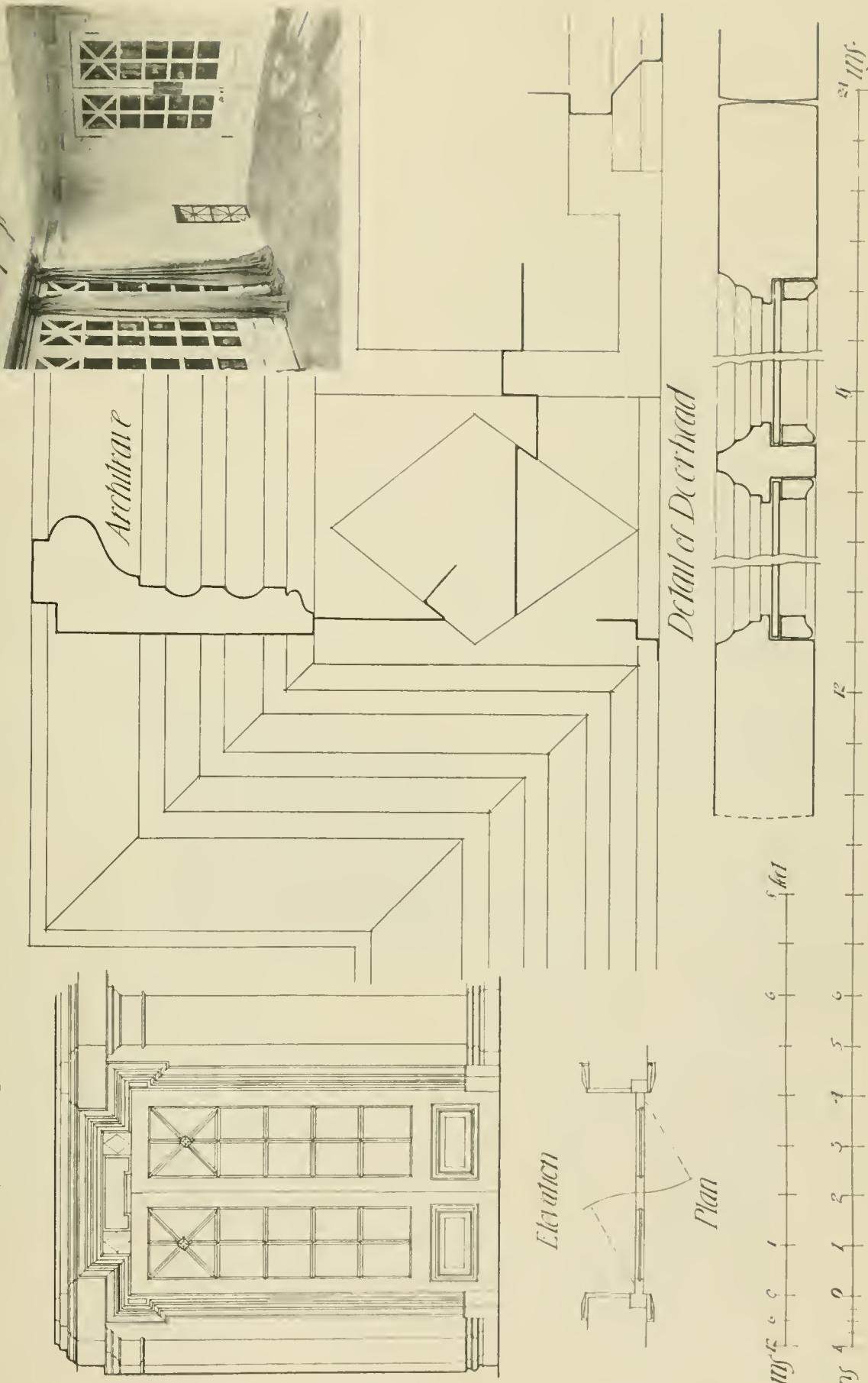
12 11 10 9 8 7 6 5 4 3 2 1



Starcasi Etc firm
the KNOLL · LEICESTER
WH BIDLAKY Archl.



Detail of Conservatory-BUHLER Constitutional Club. 1st & Eⁿo Hunt Avenue

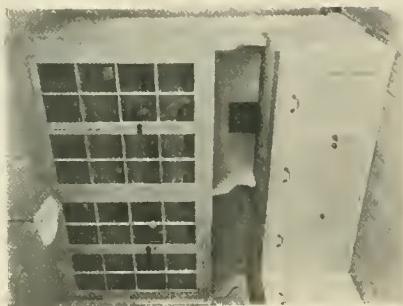
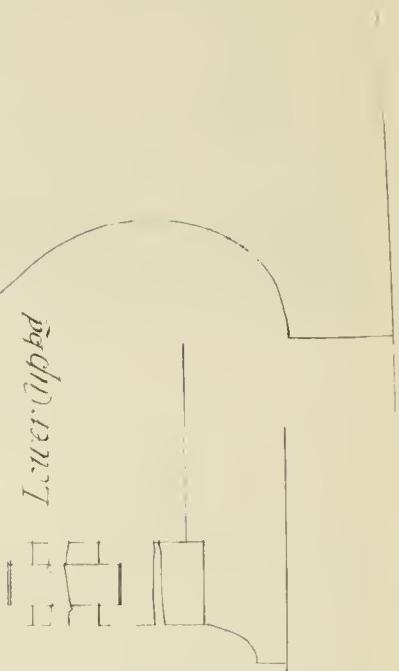


ERWESTMELTOKVÆRCHIT

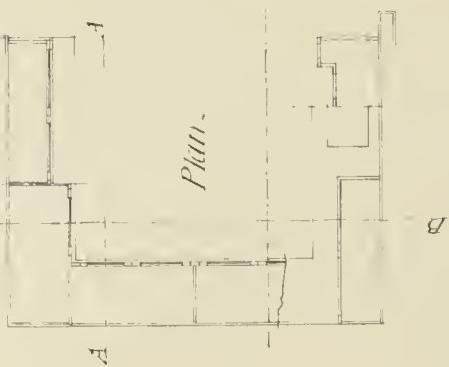
Bygning 2 m. 6 f. 5 m. 6 f. 4 m. 5 f. 3 m. 4 f. 2 m. 3 f. 1 m. 2 f. 1 m. 1 f. 1 m. 0 f.

Floor:

Lutterupholde



Phatt.



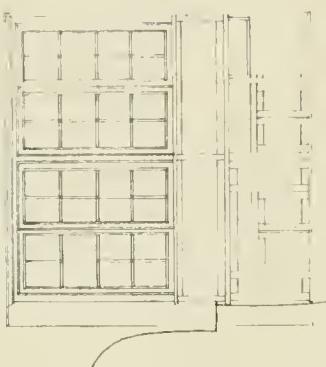
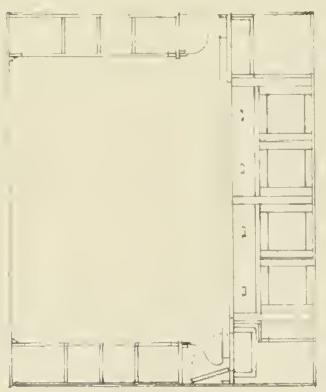
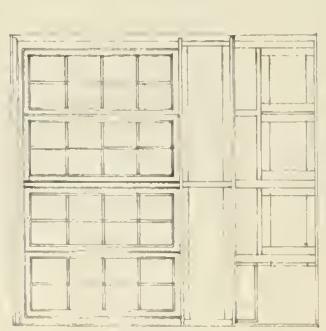
A

B

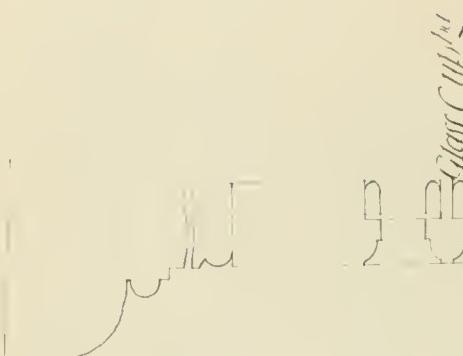
C-C

Bilay Cylf

BRAV DLODGE-SERVIKET HUTTEN

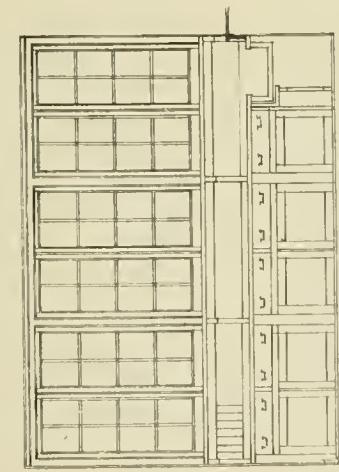


Cylf



Citztung

BRIDGE LOAD DEFLECTION PREDICTION



Sich will.

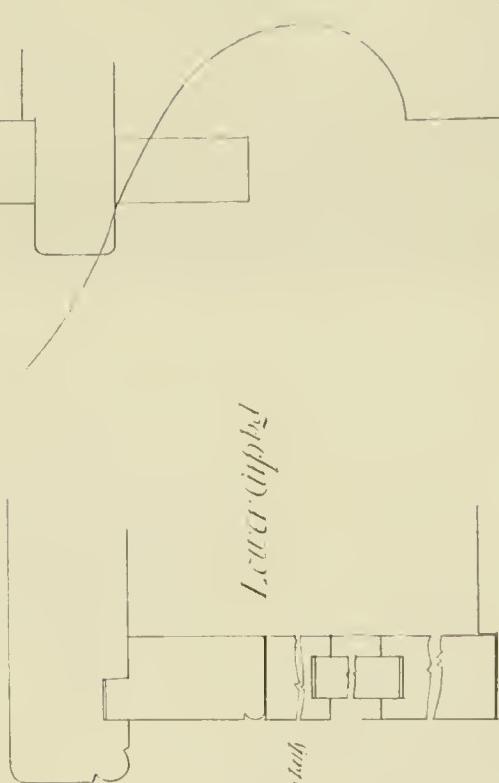


Plin-

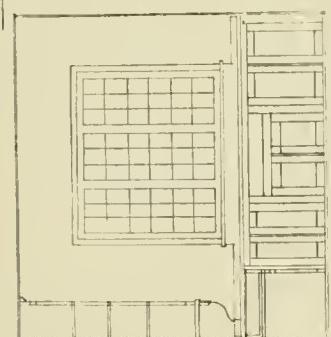
Am. J. Phys. Chem. 1886, p. 107. — *Am. J. Phys. Chem.* 1887, p. 107.



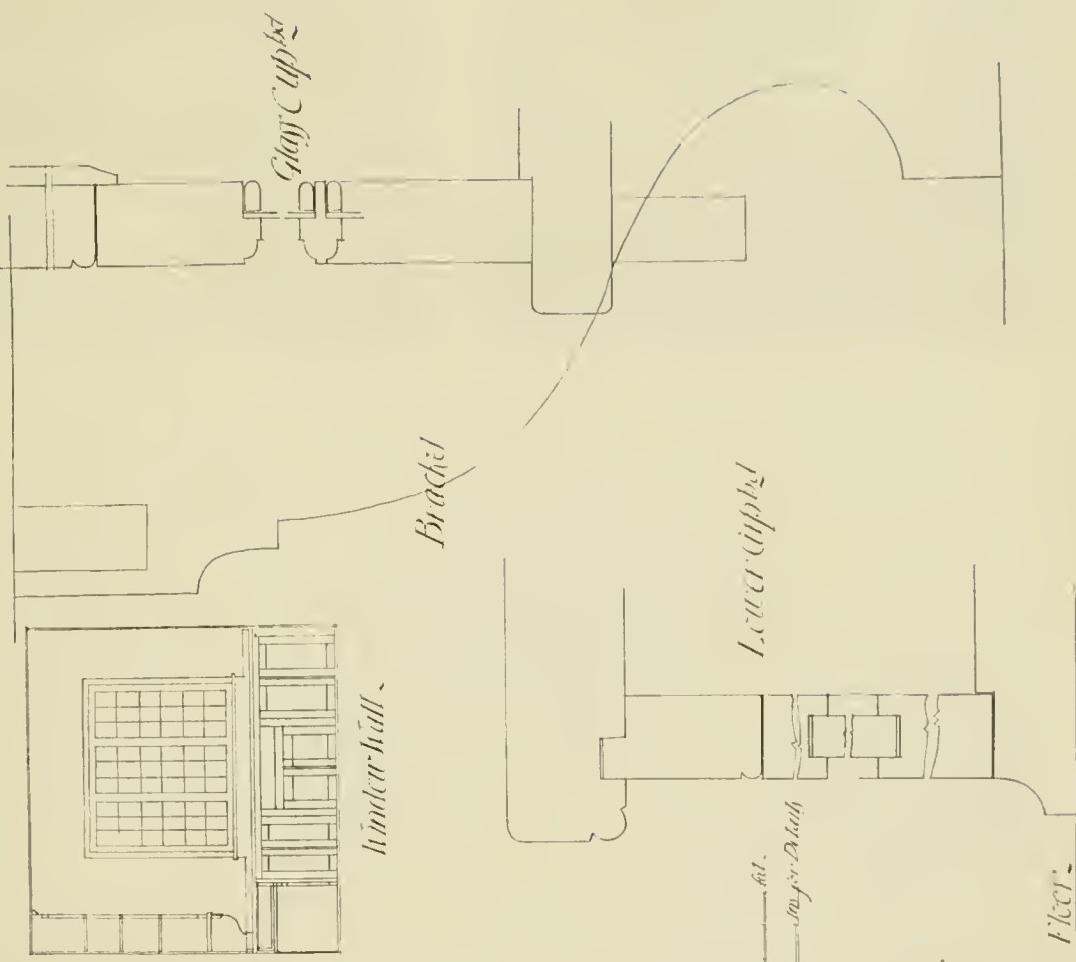
Lettres



Batch



林下集

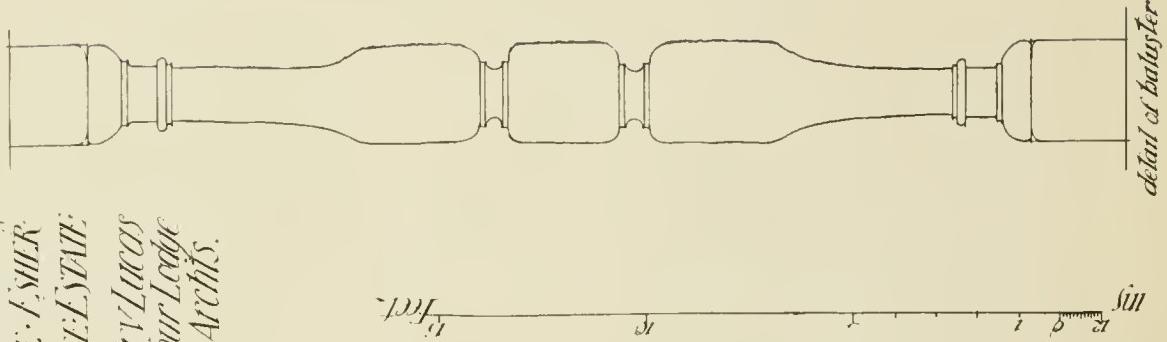


May C. Updegraff

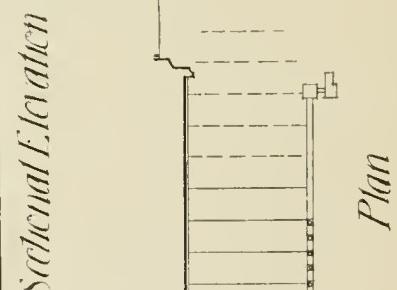
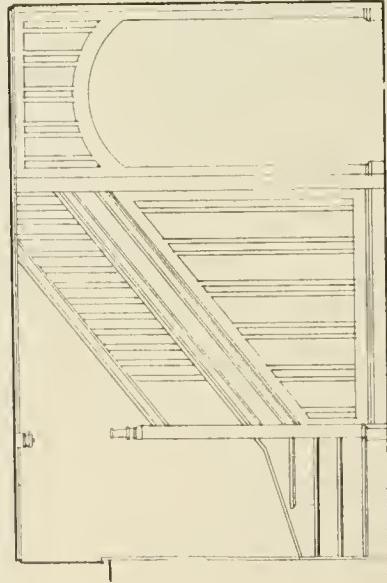
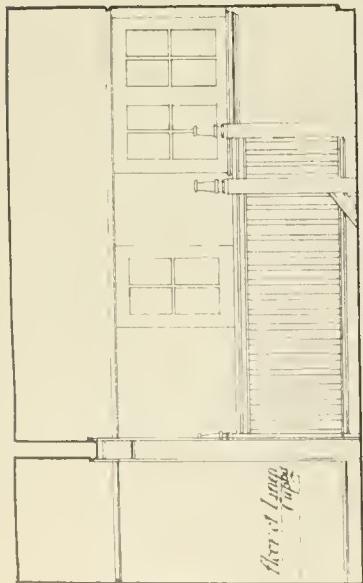
ERLISTE WITZEN



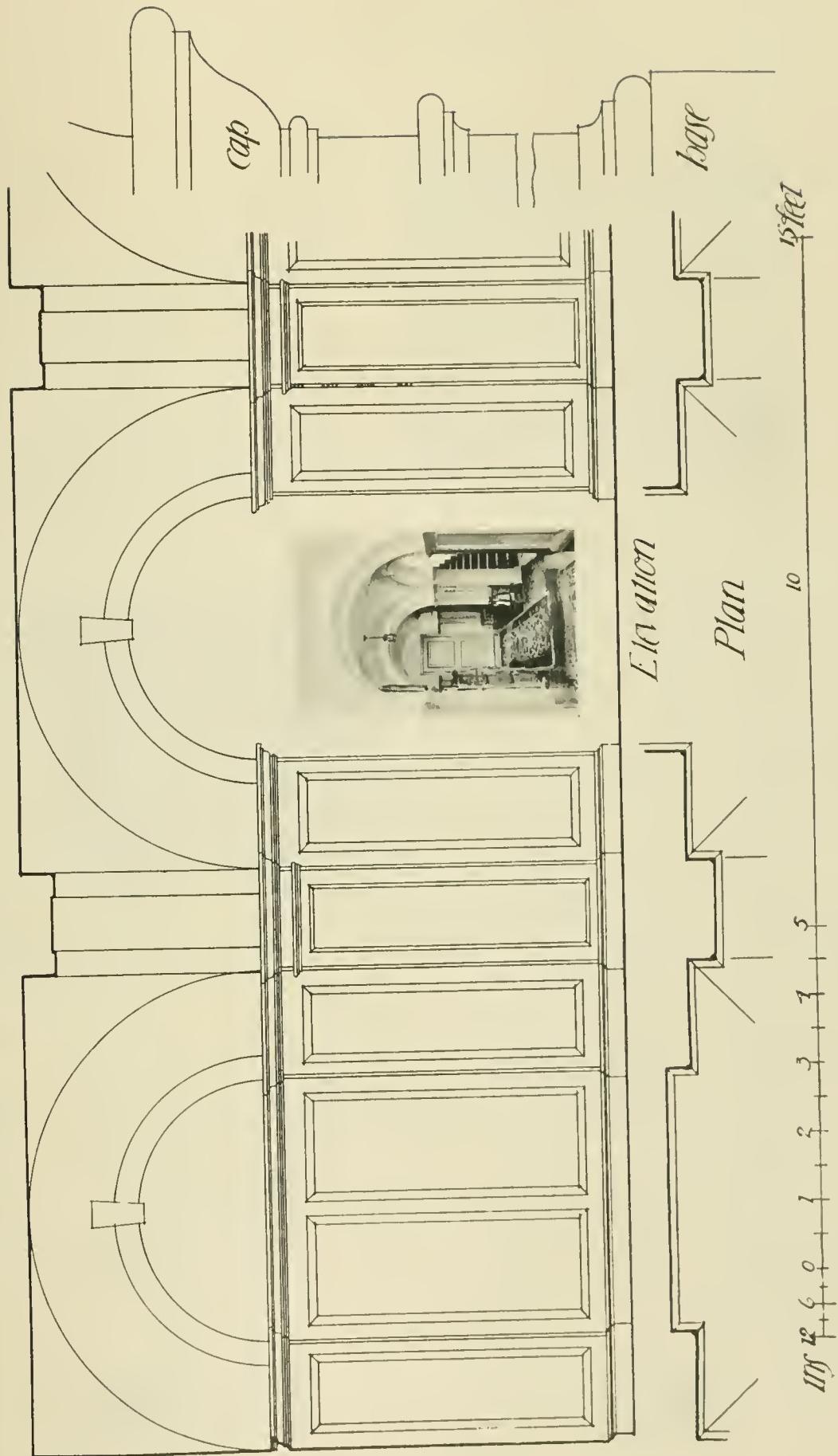
YANKEE M.
HORN: FISHER
DAVIS LYTHE:
GUTH V'LAROS
S. ARTHUR LODGE
ARCHTS.



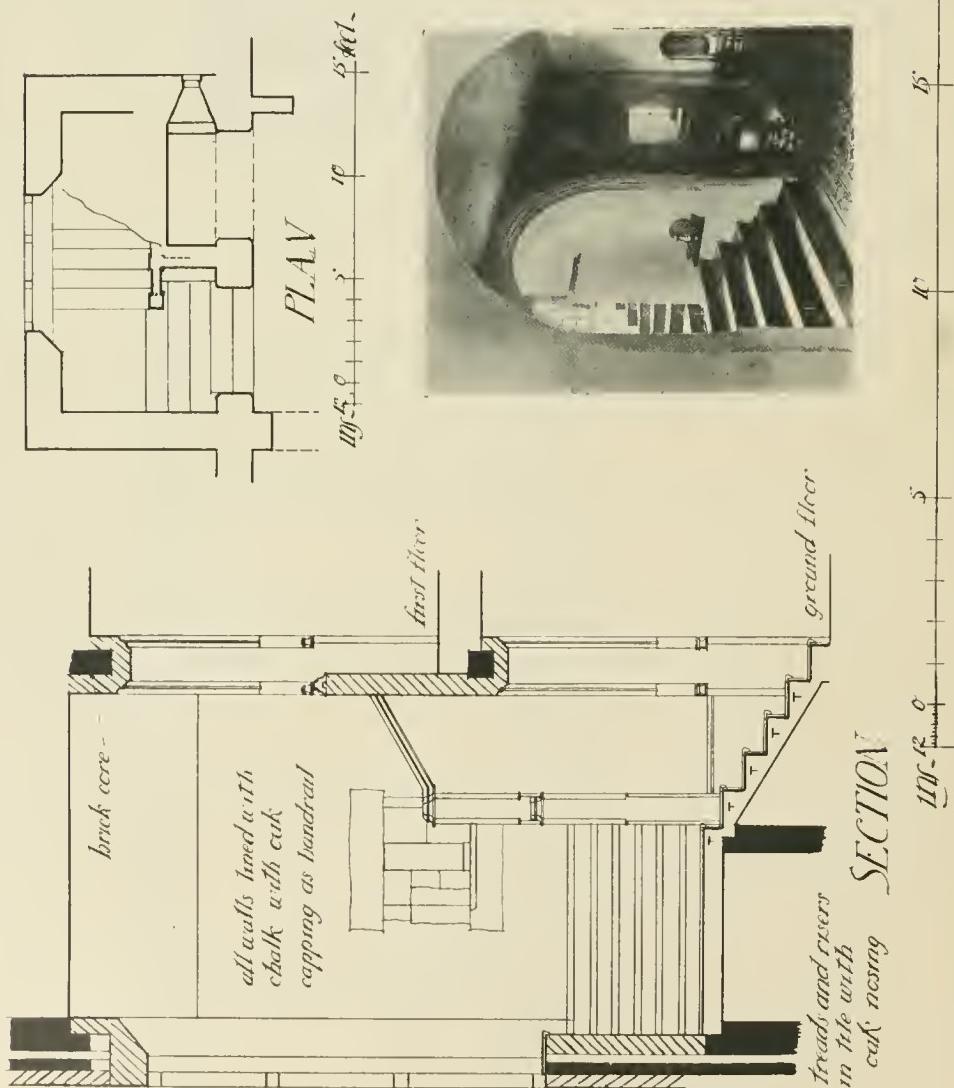
Sectional Elevation

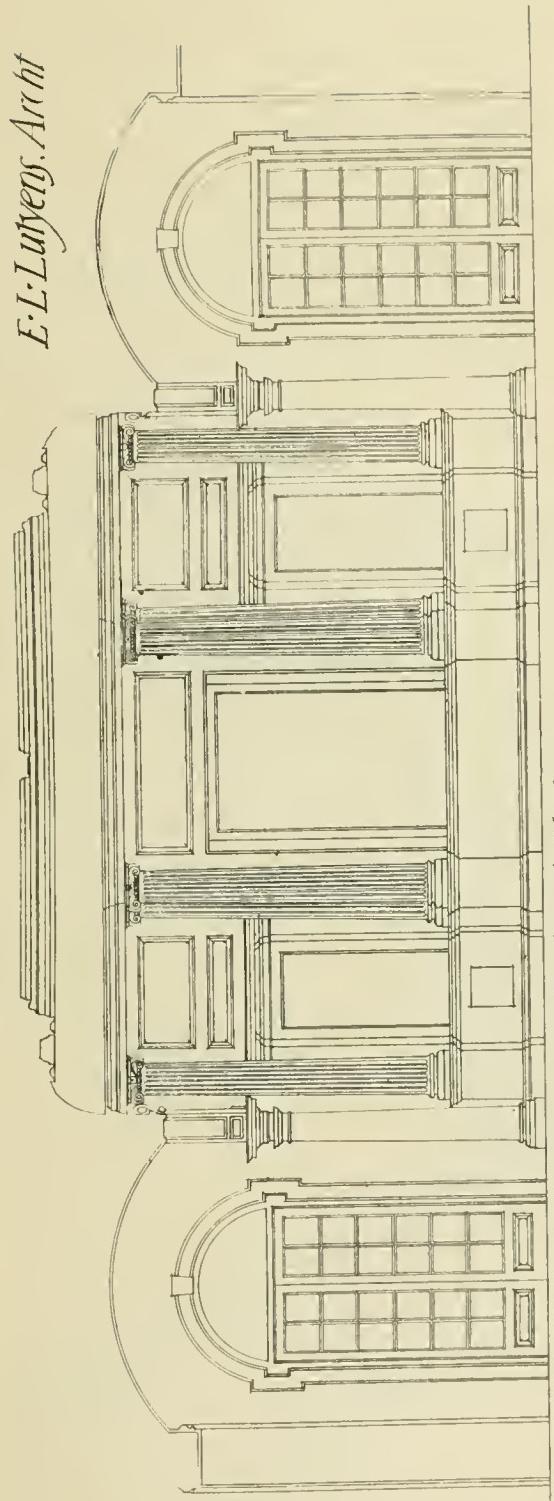


HALL. Hause at Chyslehurst E.J. May Archt

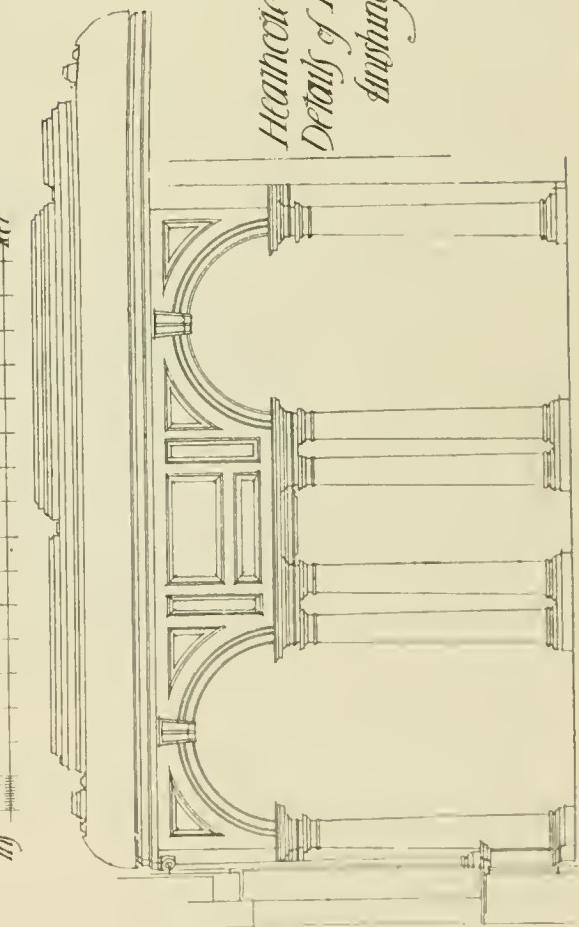


TARCASTER, GLOUCESTERSHIRE: SUSSEX: ETTINGER POLYTHON





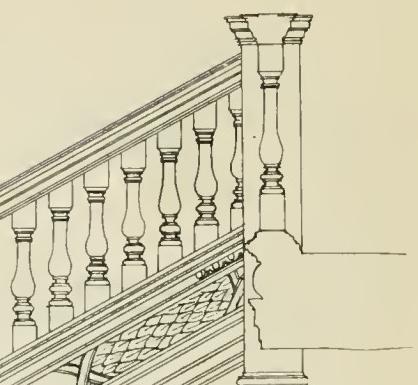
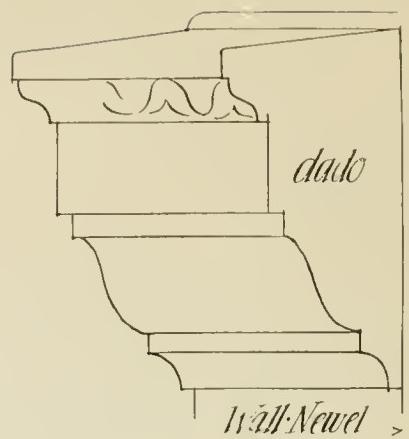
Liber allen twaart Windau
7' 5" 5' 7" 2' 1" 10' 8"



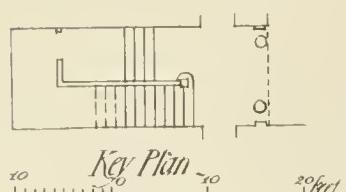
Hallenhoek libbae
Details of Hall
Anyhang

Elevation of Arcading.

*Staircase from Cedcote Lodge
Wiltshire. E.S.CHESTERTON: Archt*

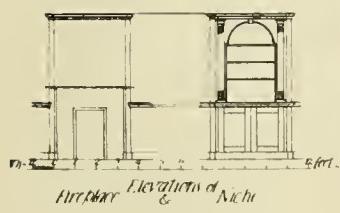
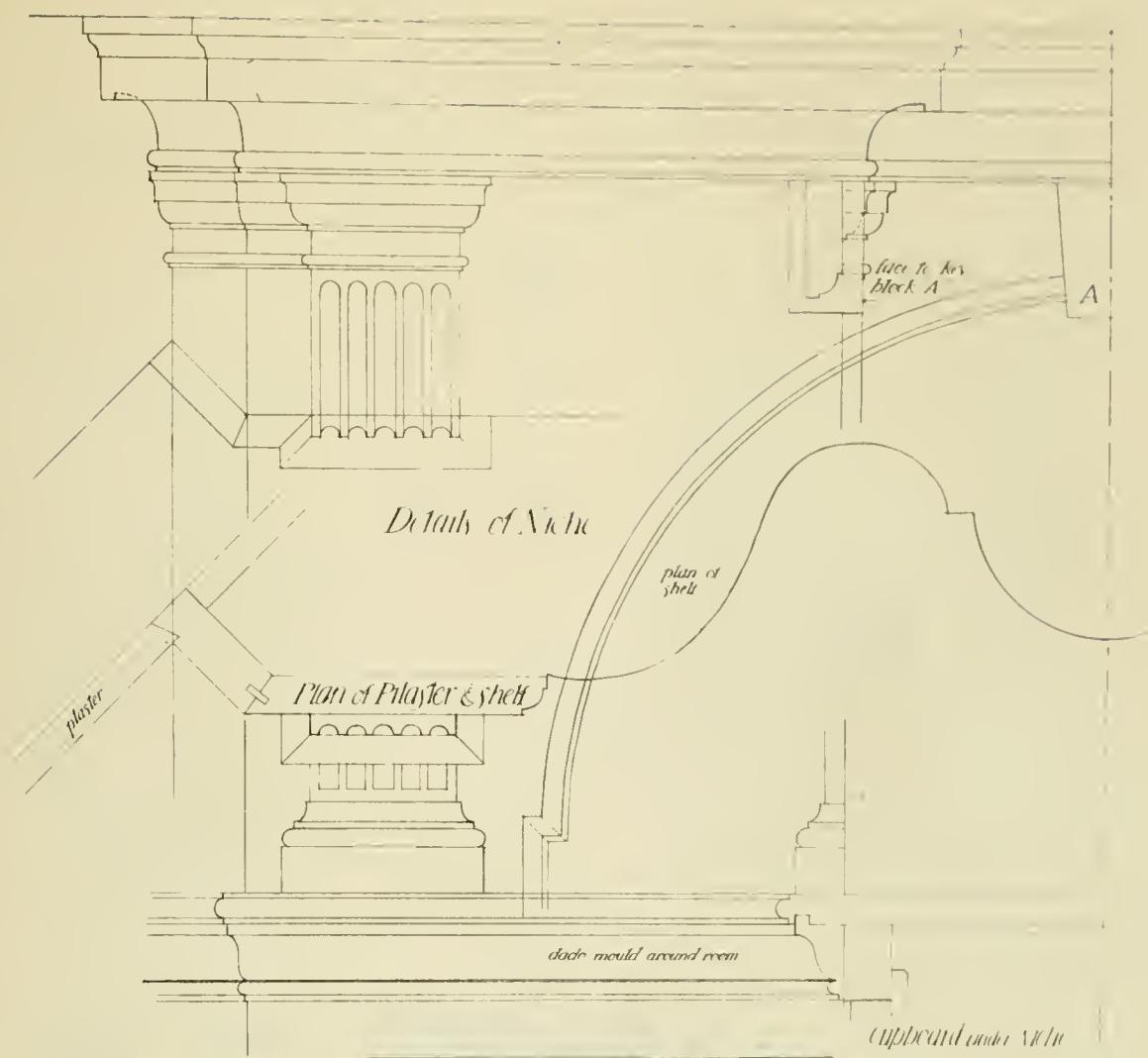


SECTION of STAIR.



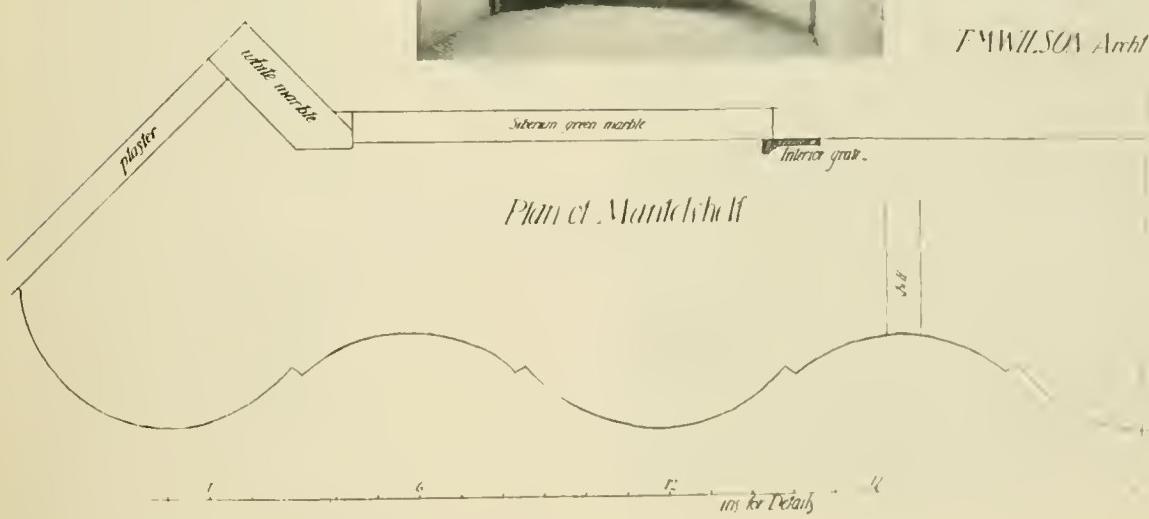
Key Plan

11ft 2in 0 1 2 2 1 5 6 1 2 *Feet*



Chimney-piece & Niches
from House in HAMPTON
GARDEN SUBURB

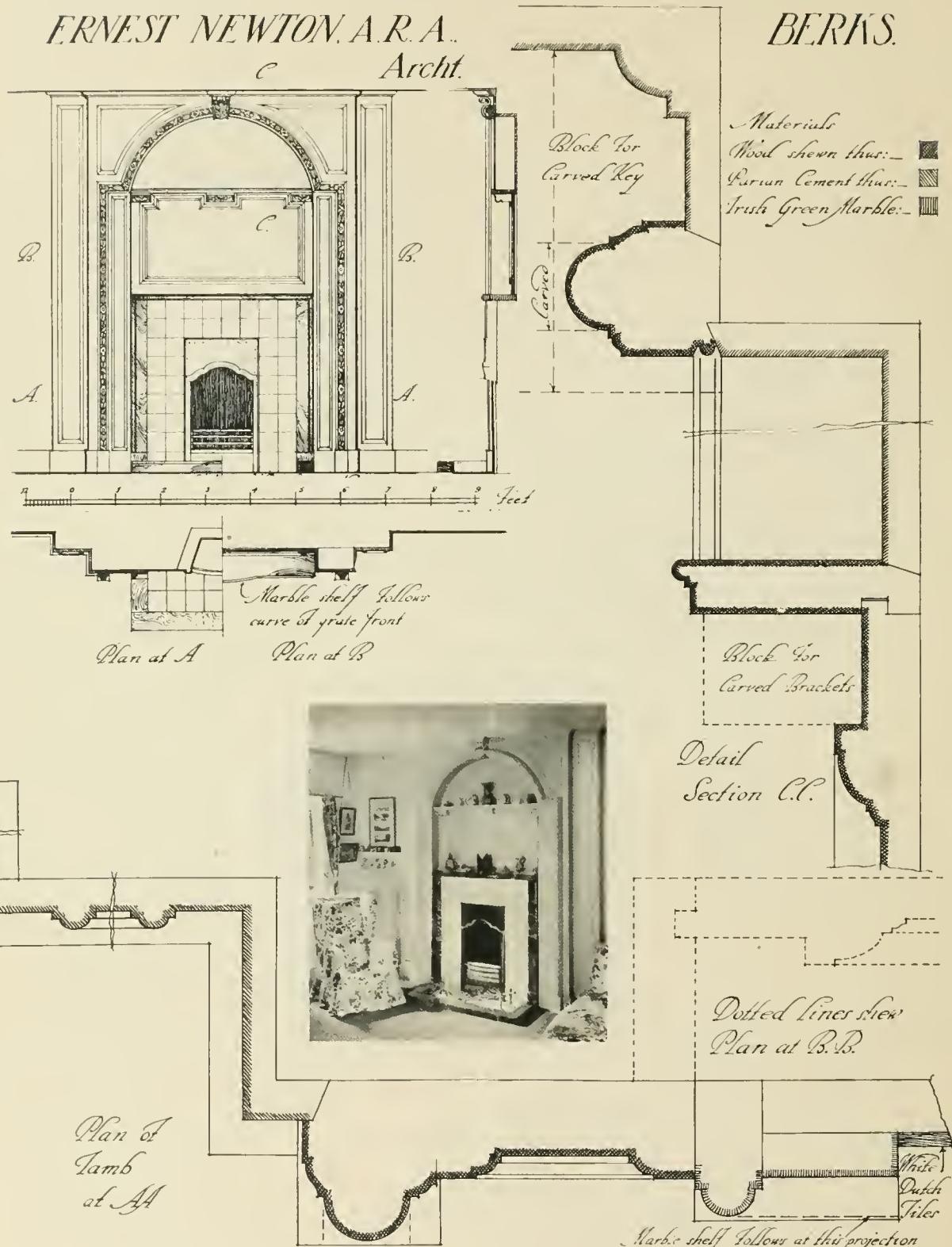
F. WILSON Archt



BEDROOM CHIMNEYPIECE, WOKINGHAM,
ERNEST NEWTON, A.R.A.

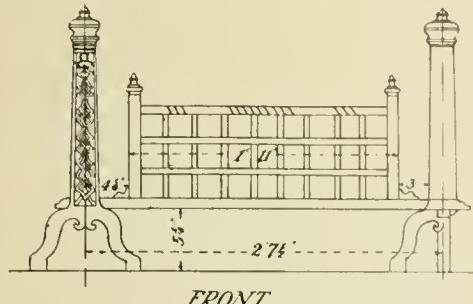
C. Archt.

BERKS.

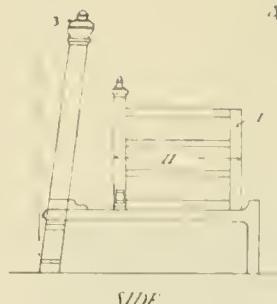


Scale for Details 1 2 3 4 5 6 7 8 9 10 Inches.

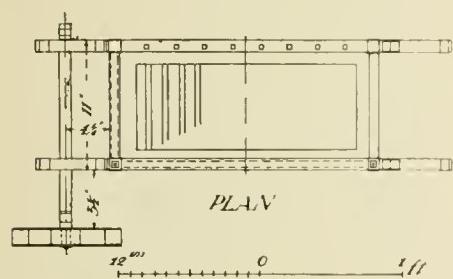
*HALL FIREPLACE in HOUSE
at WIMBLEDON*



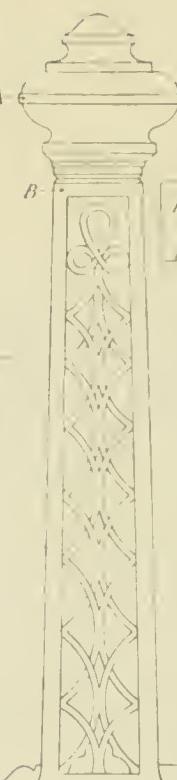
FRONT



SIDE

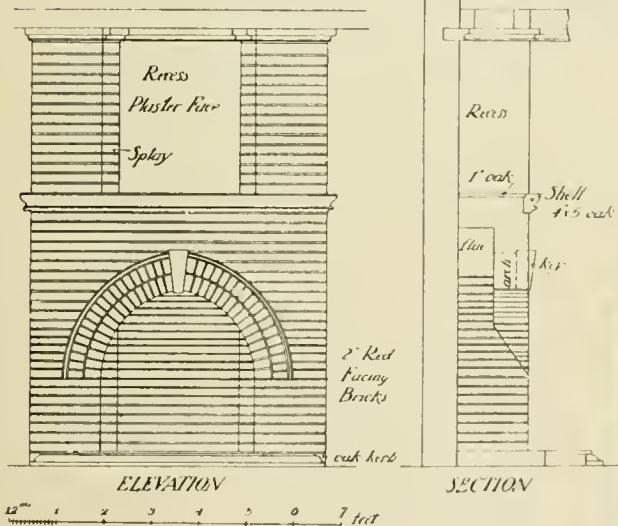


WILLIAM and
EDWARD HUNT
ARCHTS

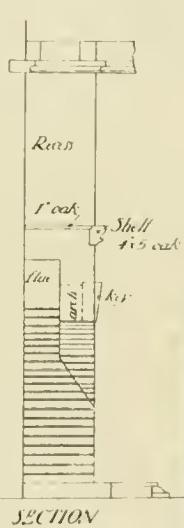


Plan of
A

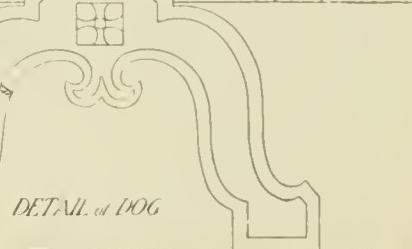
Plan of
B



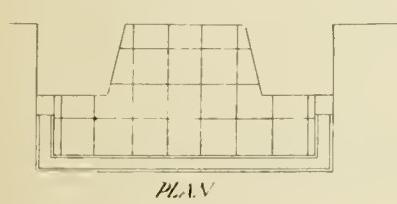
ELEVATION



SECTION



DETAIL of DOG

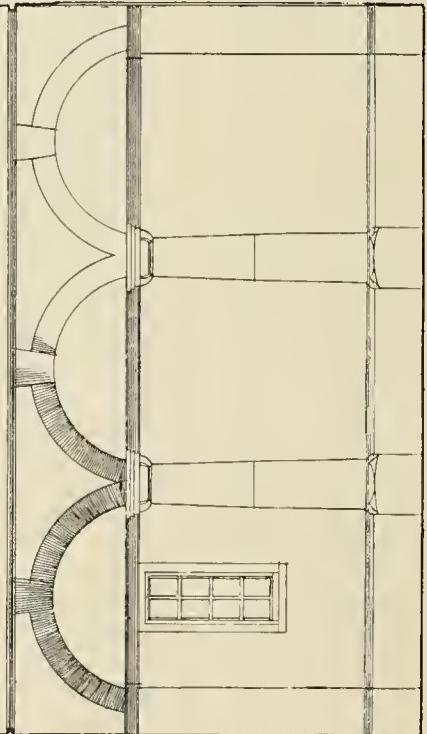
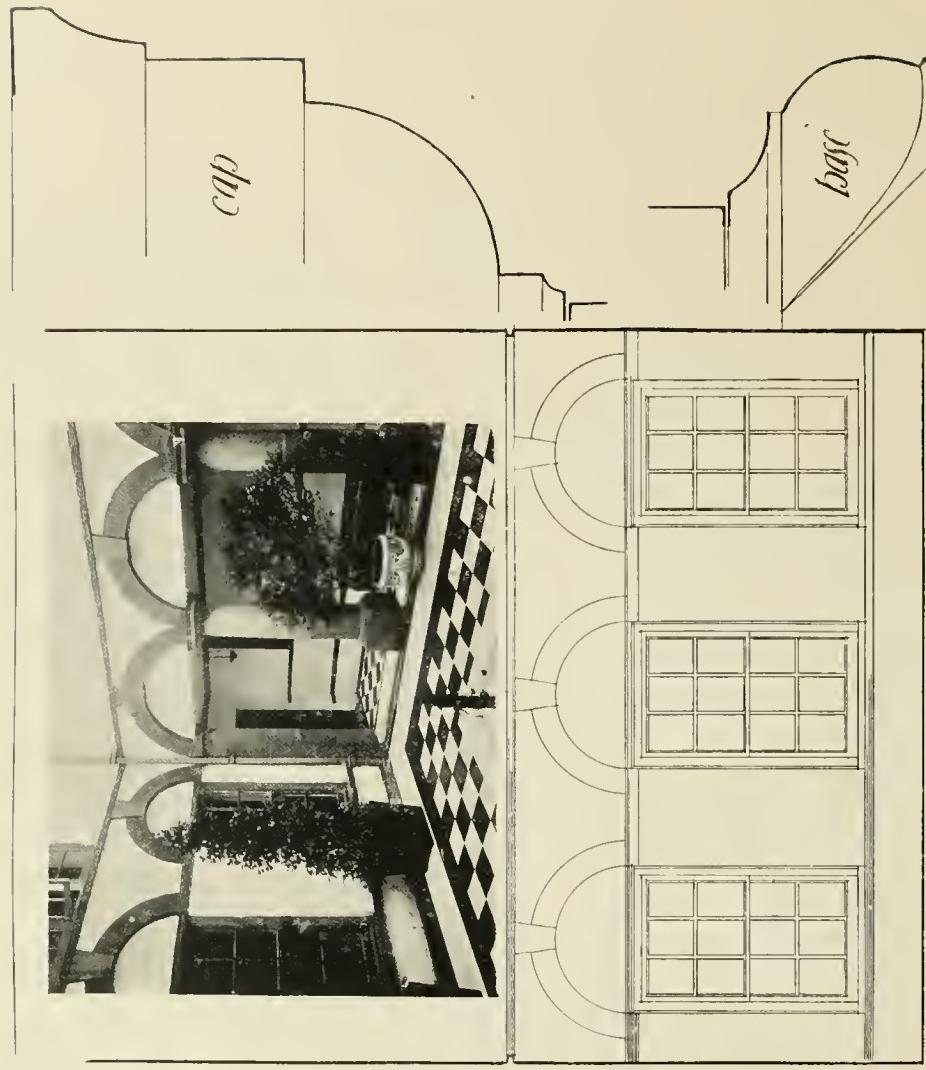
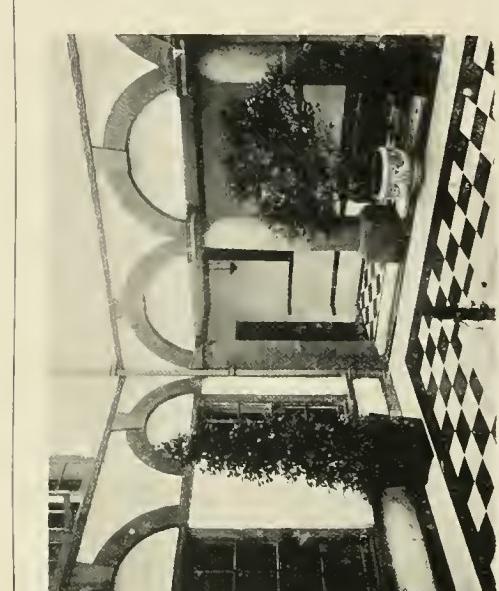
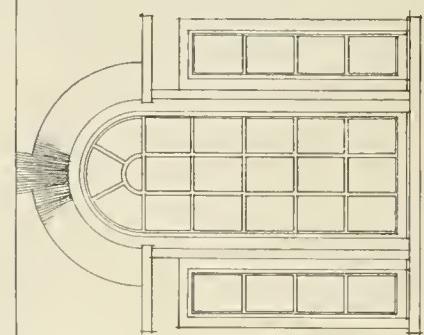


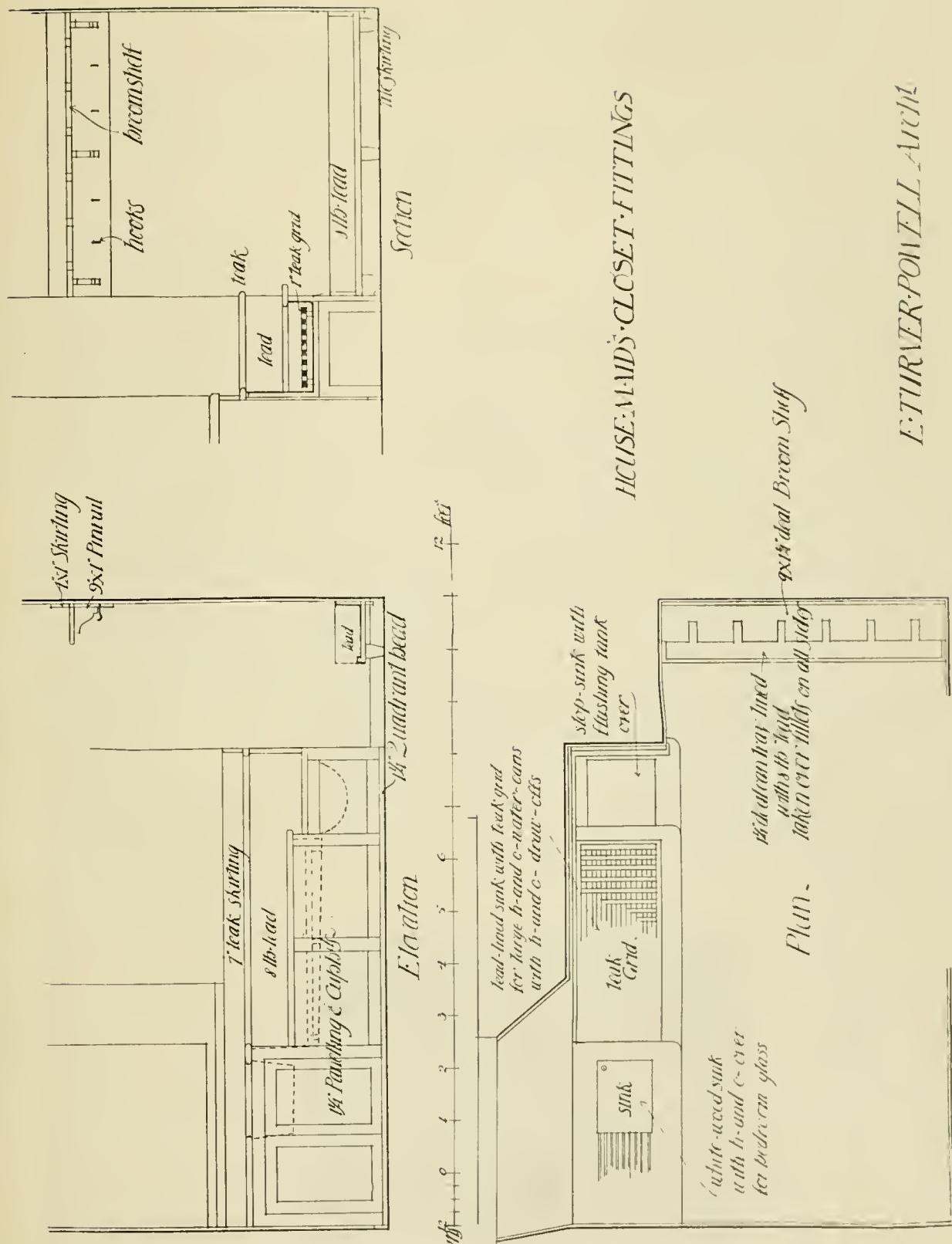
PLAN



Courtyard, Buxton Hall, Cheshire

Niches & Circular Arches



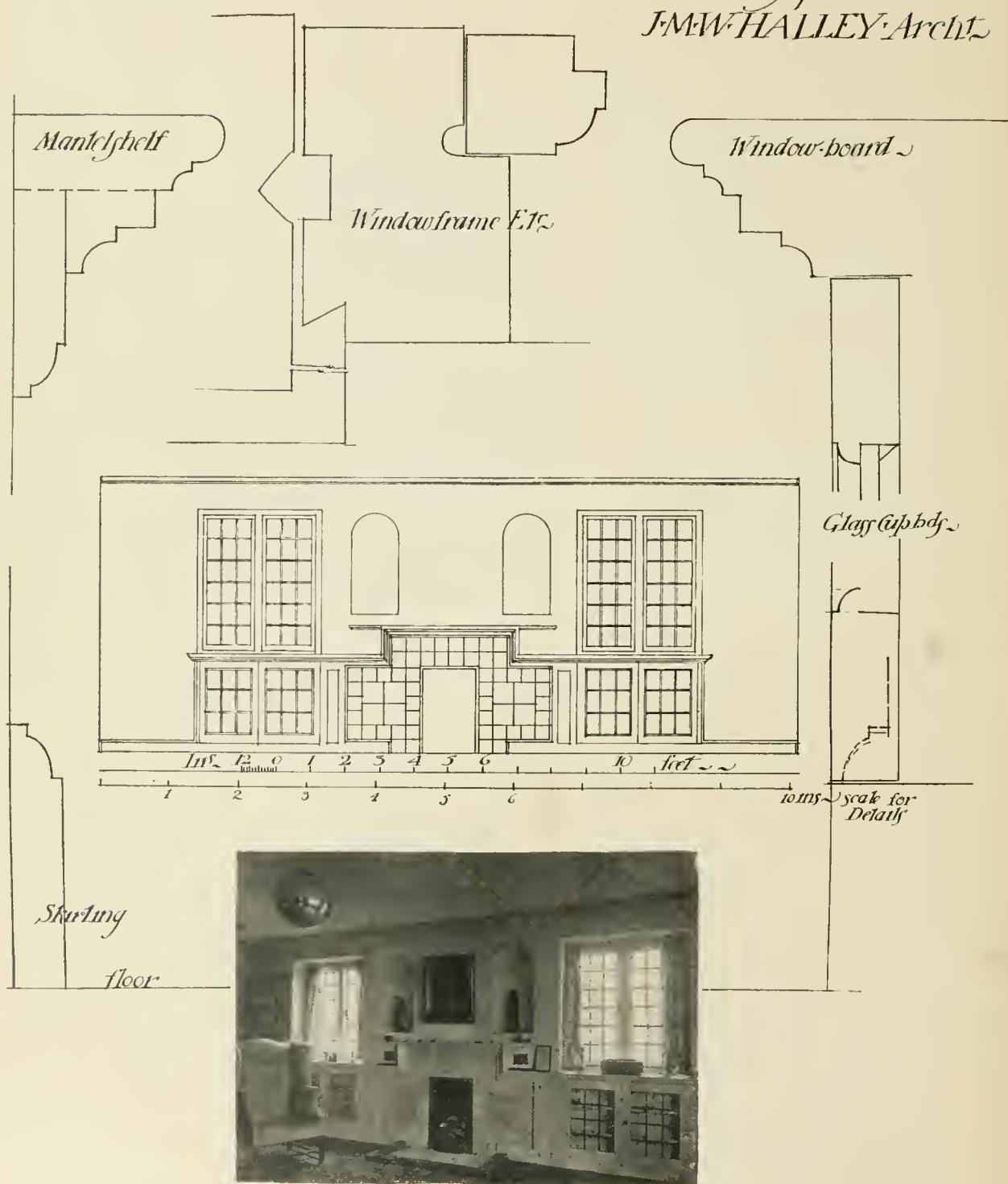


THE SHIP ~ GOLDERS GREEN ~

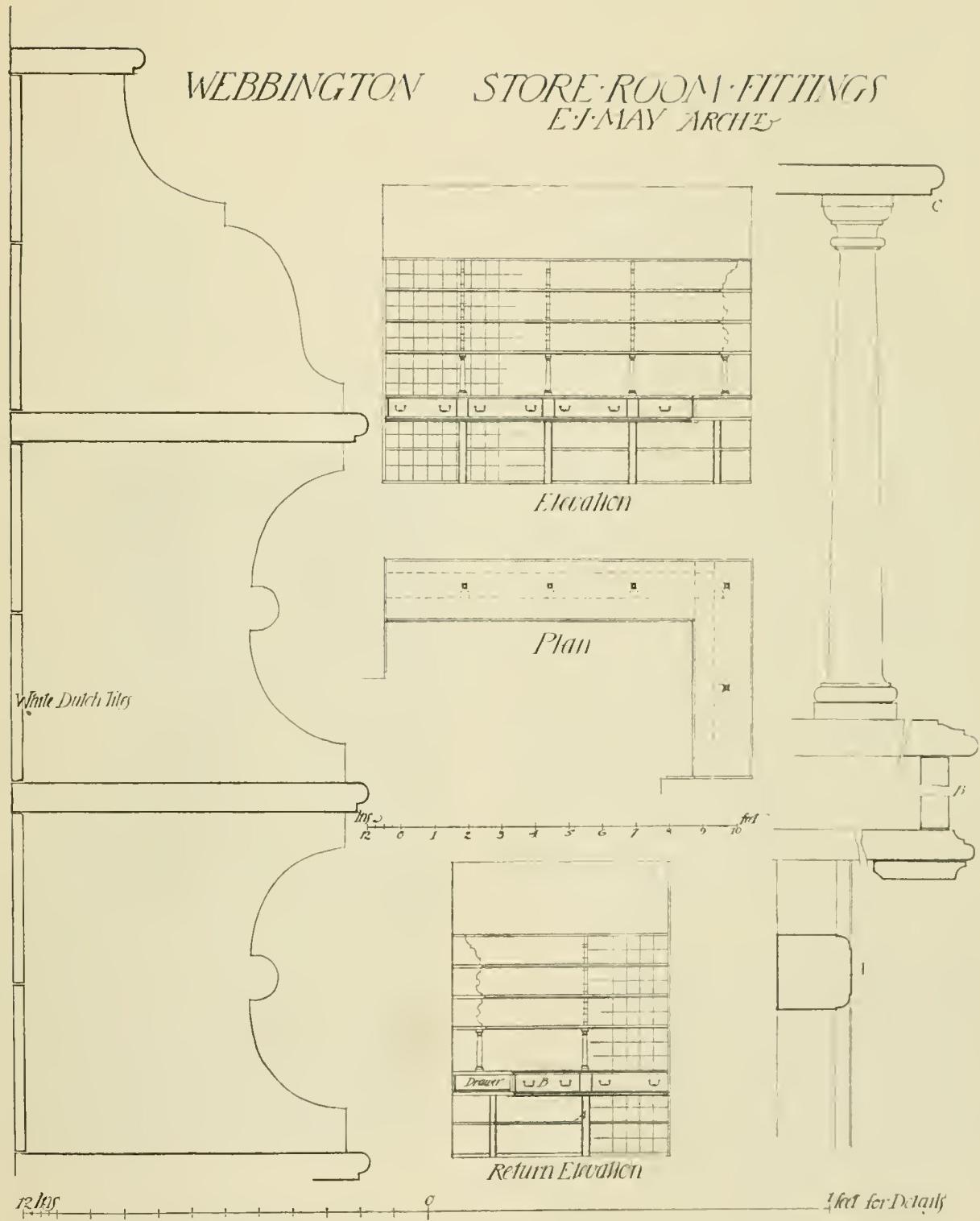
Drawing-room

Chimney-piece

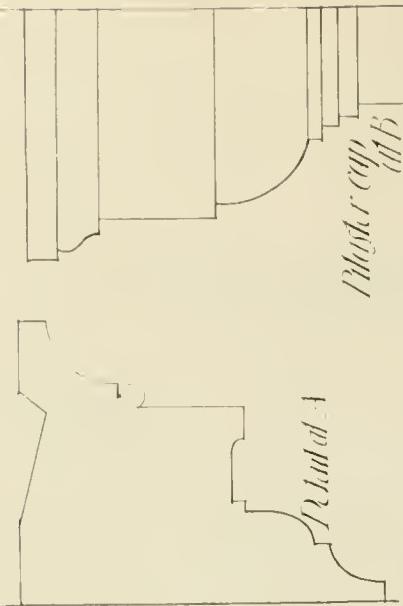
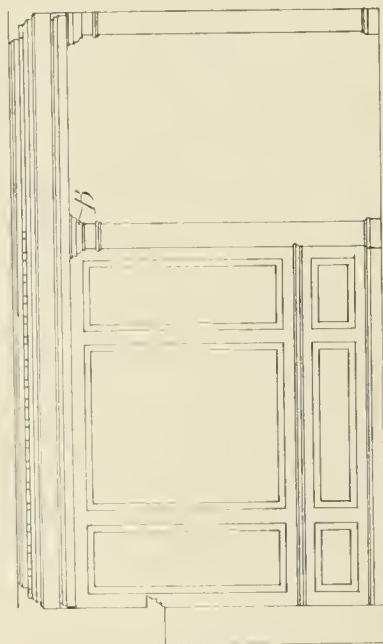
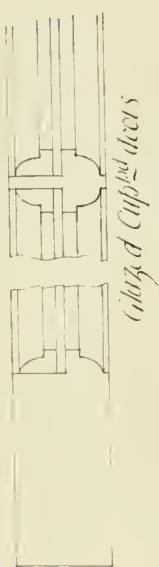
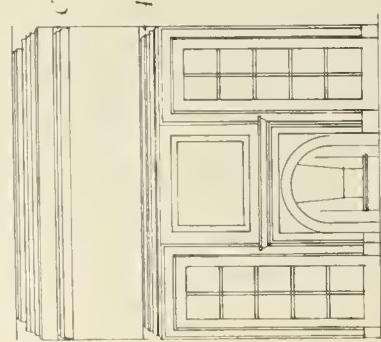
J.M.W.HALLEY:Archt



WEBBINGTON STORE-ROOM FITTINGS
E. J. MAY ARCH^D



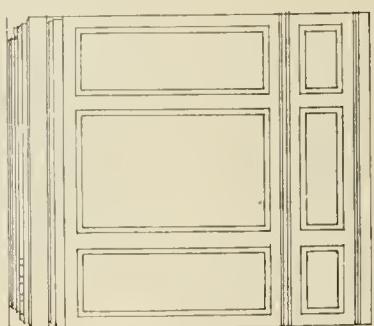
HALL: PAVELIAV GEGEN
BRIEFSCHRIFT (1915) DURCH
Richard von Eichhorn



Hh(l)dr(iy'j1k)

Muller

Final meeting



*W*ie man die *W*örter *W*iederholen kann, so kann man sie auch wiederholen.

Garden City Houses

FIRE-RESISTING CONSTRUCTOR.

FIRE, SOUND,

PUMICE
CONCRETE

VERMIN PROOF.

"MACK" PLASTER AND "KING"

BREEZE
CONCRETE

PARTITIONS,

CEILINGS, PUGGING, FLOORS, ROOFS.

FIREPROOF FLOORS, ROOFS AND ROOFING, PARTITION AND CEILING PLASTER SLABS, &c., &c.

"MACK" PARTITION SLABS, $\frac{1}{2}$ in., 2 in., $2\frac{1}{2}$ in., 3 in. and 4 in. hollow thick, and keyed for plastering.

"MACK" PARTITION BLOCKS, 2 in., $2\frac{1}{2}$ in., and 3 in. thick, and smooth both sides; no plastering required.

"MACK" CEILING SLABS (special strong), 3 in., $3\frac{1}{2}$ in., 4 in., $4\frac{1}{2}$ in., $5\frac{1}{2}$ in. thick.

"MACK" PUGGING SLABS AND BLOCKS from 1 in. to 6 in. thick. LATHING, $\frac{1}{2}$ in. and $\frac{1}{4}$ in. thick.

"KING" PUMICE-CONCRETE PARTITION SLABS

2 in., $2\frac{1}{2}$ in., 3 in. thick, solid. 4 in. thick, hollow or solid Stock size—3 ft. long by 1 ft. high.

BREEZE-CONCRETE PARTITION SLABS in the same thicknesses and size.

Unequalled for taking Nails or Screws.

Adopted by H.M. Office of Works, War Office, Admiralty, L.C.C., and Leading Architects.

SPECIALISTS IN REINFORCED CONCRETE.

"FERRO-GLASS" NEW PRISM LIGHT CONSTRUCTION

For Pavements, Floors, Roofs, Domes, Skylights, Laylights,

Lantern Lights, Partitions, Stallboards, Windows, &c., &c.

Sole British
Manufacturers:

J. A. KING & CO.

("Mack" Fireproofing Co.).

Telephone—773 CENTRAL.

Telegrams—"KINOVIQUE CENT., LONDON."

Works: HAYES, MIDDLESEX; RAWCLIFFE, YORKS.;
and CLASCOV.

AGENTS in Scotland, Ireland, Liverpool, Manchester, Leeds, Bradford, Birmingham, Glamorgan, Monmouth,
Bristol, Newcastle-on-Tyne, Workington.

Also RESTORATION AND PRESERVATION OF STONE.



THIS BUILDING FINISHED IN NEALSTONE.

Telegrams: "Coatostone, London."

Telephone—City 8310.

The Coatostone Decoration Co.

SPECIALITIES:

"COATOSTONE" Liquid Stone. Neal's Patents, applied as paint on plaster, cement, stone, or woodwork, gives a perfect effect of natural stone.

"NEALSTONE" Imitation Stone, applied to brickwork in plastic form, and can be carved. For interior or exterior work.

"AQUASTONE," for coating new or old cement work and renovating old stonework.

Special White Rough Cast.—Stone Stuc.—Stone Preservative.—Decorations.—Marble and Stone Work.—Filiform Plaster Work.—Wood Mantelpieces.—Oak Paneling.—Parquet Floors.

Awarded Grand Prix, Diploma of Honour, and Gold Medal Paris, Rome, Turin,
Antwerp, Vienna, Milan, Barcelona, &c.

77, Mortimer Street, LONDON, W.

G. W. RILEY

Over 50 Medals awarded, including Four Gold Medals Royal Botanic Society, 1904-5-6-7; Twelve Silver Medals, Royal Horticultural Society, London. Contractor to H.M. Govt., L.C.C., & over 40 Borough & District Councils.

Specialist in Thatching & Thatched Buildings of every description.



PAVILIONS, CLUB ROOMS, CHURCHES, &c., HOSPITALS & CHALETS FOR OPEN-AIR TREATMENT OF TUBERCULOSIS. WOOD, IRON, & FIREPROOF BUILDINGS.

Dept. 1. RUSTIC GARDEN FURNITURE.

Dept. 2. GLASSHOUSES, &c.

Dept. 3. PORTABLE BUILDINGS & HEATING.

Internal Fittings of every description. Low Pressure Heating Installation. Lighting by Air Gas, Acetylene, & High Power Paraffin Lamps.

ESTIMATES FREE.—A competent surveyor will wait upon intending purchasers in London or Country.

Lists Post Free on application.

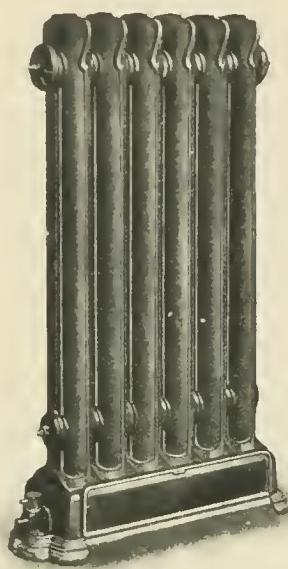
Please State Wants.

G. W. RILEY, HERNE HILL, LONDON, S.E.

Phone—546 Brixton.

Telegrams—"Riley, Herne Hill."

STEAMLESS HEATING



Ends the search for an Apparatus
HEALTHY, ECONOMICAL, SIMPLE, and RELIABLE.

DAVIS'S Patent Gas-Heated Steamless Radiator occupies a unique position among heating apparatus. It is the ideal heater for Halls, Corridors, Landings, &c., as well as for Public Buildings of all kinds.

THE INITIAL COST of the "Steamless" is much below that of any other radiator giving UNIFORM HEAT DISTRIBUTION.

SIMPLICITY is a feature in which the "Steamless" excels. It has NO water receptacles, NO gauge glasses, NO valves, NO complications of any kind.

It is the only gas-heated radiator (operated without water or liquid of any kind) in which there is NO FLAME CONTACT.

The "Steamless" is absolutely HYGIENIC and absolutely SAFE. With every one sent out a THREE YEARS' GUARANTEE is given.

Our pamphlet entitled "Steamless Heating for Your Home" goes into details, and would interest you. May we send you a copy?

THE GILLED CIRCULATOR

Solves every Domestic Hot Water Problem.

THE Davis Gas-Heated Gilled Circulator supplies HOT WATER without extra labour, at any hour of the day or night, and with EXTREME ECONOMY.

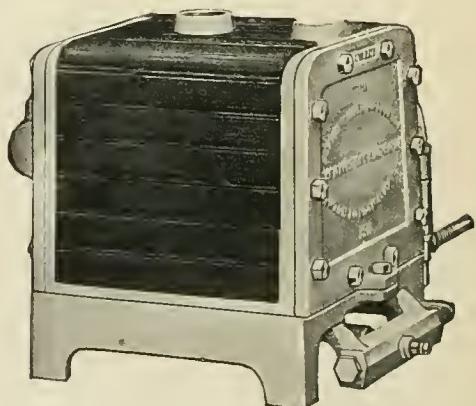
ECONOMY IN GAS CONSUMPTION is a marked feature of the Gilled Circulator. The consumption is governed by an Automatic Valve, which permits no more gas to pass through the burner than is absolutely necessary to maintain the water at the desired temperature.

The Circulator occupies a MINIMUM OF SPACE while giving a maximum amount of duty.

UNUSUALLY STRONG in construction, the Gilled Circulator is practically indestructible. Iron and steel—and the best of that—are the materials used throughout. Continual use, hard water, and rough handling cannot detrimentally affect it.

ACCESSIBILITY is one of the chief features of the "Gilled." Hard water, with its resulting lime deposits, has no terrors for it. You can take it apart and explore every crevice if necessary, and no special skill or tools are required.

Pamphlet G.C. 12 is the one to ask for if you wish to learn the fullest particulars.



THE DAVIS GAS STOVE CO., LTD.,

SALES DEPT. AND LONDON SHOWROOMS :

59, QUEEN VICTORIA STREET, E.C.

Telegrams : "DEGASCO CENT, LONDON."

Telephone : 636 CITY.

UNIV. OF CALIF. LIBRARY, LOS ANGELES



D 000 518 158 1

